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Subj: MARINE EXPEDITIONARY UNIT (MEU) TRAINING AND READINESS (T&R) MANUAL

Ref: (a) MCO P3500.72A
(b) MCO 1553.3A
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(d) MCO 3500.27B W/Erratum
(e) MCRP 3-0A
(f) MCRP 3-0B
(g) MCO 1553.2B

Encl: (1) MEU T&R Manual

1. Purpose. Per references (a), this T&R Manual establishes training standards, regulations and practices of Marines and assigned Navy personnel in the MEUs. Additionally, it provides tasking for formal schools and the Special Operations Training Groups (SOTGs) to prepare personnel for deployment.

2. Cancellation. NAVMC 3500.44

3. Scope

a. The Core Capability Mission Essential Task List (METL) in this Manual is used in Defense Readiness Reporting System (DRRS) for assessment and reporting of unit readiness. Units achieve training readiness for reporting in DRRS by gaining and sustaining proficiency in the training events in this Manual at both collective (unit) and individual levels.

b. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute its mission and develop long-, mid-, and short-range training plans to sustain proficiency and correct deficiencies. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps and document objective assessments of readiness associated with training Marines and assigned Navy personnel. Commanders will use reference (c) to incorporate Nuclear, Biological, and Chemical Defense (NBCD) training into training plans and reference (d) to integrate Operational Risk Management (ORM). References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

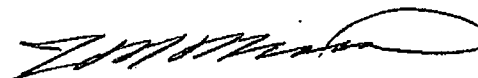
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c. Formal school and training detachment commanders will use references (a) and (g) to ensure programs of instruction meet skill training requirements established in this Manual and provides career progression training in the events designated for initial training in the formal school environment.

4. Information. Commanding General (CG), Training and Education Command (TECOM) will update this T&R Manual as necessary to provide current and relevant training standards to commanders. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: CG, TECOM (Marine Air Ground Task Force Training and Education Standards Division (MTESD) (C 465), 1019 Elliot Road, Quantico, Virginia 22134.

5. Command. This Manual is applicable to the Marine Corps Total Force.

6. Certification. Reviewed and approved this date.


T. M. MURRAY
By direction

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CHAPTER 1

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MEU T&R MANUAL

CHAPTER 1

OVERVIEW

1000. INTRODUCTION

1. The T&R Program is the Corps' primary tool for planning, conducting and evaluating training and assessing training readiness. Subject Matter Experts (SMEs) from the operating forces developed core capability Mission Essential Task Lists (METLs) for ground communities derived from the Marine Corps Task List (MCTL). T&R Manuals are built around these METLs and all events contained in T&R Manuals relate directly to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

2. The T&R Manual contains the individual and collective training requirements to prepare units to accomplish their combat mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in combat. The T&R Manual is a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program is found in reference (a).

3. The T&R Manual is designed for use by unit commanders to determine pre-deployment training requirements in preparation for training and for Formal Learning Centers and Training Detachments to create courses of instruction. This directive focuses on individual and collective tasks performed by operating forces (OPFOR) units and supervised by personnel in the performance of unit Mission Essential Tasks (METs).

1001. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential. However, it is not necessary to have all individuals within a unit fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. During these periods, unit readiness is enhanced if emphasis is placed on the individual training of Marines on-hand. Subsequently, these Marines will be mission ready and capable of executing as part of a team when the full complement of personnel is available.

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core capabilities METL. However, commanders will adjust their training focus to support METLs associated with a major OPLAN/CONPLAN or named operation as designated by their higher commander and reported accordingly in the Defense Readiness Reporting System (DRRS). Tactical training will support the METL in use by the commander and be tailored to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

3. Commanders will provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

1002. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its wartime mission.

2. UTM techniques, described in references (b) and (e), provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps Training Principles, explained in reference (b), provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM. Guidance for UTM and the process for establishing effective programs are contained in references (b), (e) and (f).

1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. The evaluation of training is necessary to properly prepare Marines for combat. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation).
2. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. Whether it involves individual or collective training events, they must ensure proficiency is sustained by requiring retraining of each event at or before expiration of the designated sustainment interval. Performance of the training event, however, is not sufficient to ensure combat readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.
3. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed in combat. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events. References (a) and (f) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1004. ORGANIZATION. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based T&R Manuals are written to support a type of unit (Infantry, Artillery, Tanks, etc.) and contain both collective and individual training standards. Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOSs), or billets within an organization (EOD, CBRN, Intel, etc.), and usually only contain individual training standards. T&R Manuals are comprised of chapters that contain unit METs, collective training standards (CTS), and individual training standards (ITS) for each MOS, billet, etc.

1005. T&R EVENT CODING. An event contained within a T&R Manual is an individual or collective training standard. This section explains each of the components of a T&R event. These items will be included in all of the events in each T&R Manual. Community-based T&R Manuals may have several additional components not found in unit-based T&R Manuals. The event

condition, event title (behavior) and event standard should be read together as a grammatical sentence.

1. Event Code. The event code is an up to 4-4-4 alphanumeric character set:

a. First 4 characters indicate MOS or Community (e.g., 0321, 1812 or INTL)

b. Second up to 4 characters indicate functional or duty area (e.g. DEF, FSPT, MVMT, etc.)

c. Third 4 characters indicate the unit size and supported unit, if applicable (1000 through 9000), and sequence. Figure 1-1 shows the relationship of unit size to event code. NOTE: The titles for the various echelons are for example only, and are not exclusive. For example: 4000-level events are appropriate for Section-level events as noted, but also for Squad-level events.

Individual Formal School Training Entry-Level (Core Skills)	Individual Training & Career Progression MOJT, Career-level or Advanced-level School (Core Plus Skills)	Collective Training CREW	Collective Training SECTION
1000-Level	2000-Level	3000-Level	4000-Level
Collective Training PLATOON	Collective Training COMPANY	Collective Training BATTALION	Collective Training REG/BDE/MEU
5000-Level	6000-Level	7000-Level	8000-Level

Figure 1: T&R Event Levels

(1) Grouping. Categorizing events with the use of a recognizable code makes the type of skill or capability being referenced fairly obvious. Examples include: PAT for patrolling events, DEF for events in the defense, FSPT for events related to fire support, etc. There is no special significance to the functional areas, but they should be intuitive to make it as easy as possible for the T&R user to find events. When organizing the T&R manual, functional areas are alphabetized then the associated events are numbered. The events will be numbered based upon the introduction of each new functional area, allowing up to "999" events. For example: if there are seven Administrative events 4431 occupational field, then the events should start 4431-ADMN-1001 and run through 1007. Next, the Bulk Fuel events, BUFL should start at 4431-BUFL-1001.

(2) Sequencing. A numerical code is assigned to each individual (1000-2000-level) or collective (3000-9000-level) training event. The first number identifies the size of the unit performing the event, as depicted in

figure 1-1. The second number is available for T&R Manuals with collective events that support those in other manuals to identify the echelon of unit being supported by a particular collective event. If a collective event is supported by other events or is performed in general support without regard to echelon, then a zero "0" will be utilized as the second number. For example: 0231-TGT-3801 would refer to an event conducted by a four Marine Targeting Cell supporting a Regiment or Group, 0231-TGT-3001 would represent an event the Targeting Cell does in support of any sized unit. The event would not be labeled 0231-TGT-8001 because that would imply that a regiment sized targeting unit was performing some task. This is not possible, since no intelligence unit organizes in a unit larger than a Battalion. EXCEPTION: Events that relate to staff planning, to the conduct of a command operations center or to staff level decision making processes will be numbered according to the level of the unit to which the staff belongs. For example: an infantry battalion staff conducting planning for an offensive attack would be labeled as INF-PLAN-7001 even though the entire battalion is not actively involved in the planning of the operation. T&R event sequence numbers that begin with "9" are reserved for Marine Air Ground Task Forces (MAGTF) Command Element (CE) events. Marine Expeditionary Units (MEU) CE events will be numbered 90XX - 93XX. Marine Expeditionary Brigade (MEB) CE events will be numbered 94XX - 96XX. Marine Expeditionary Force (MEF) CE events will be numbered 97XX - 99XX.

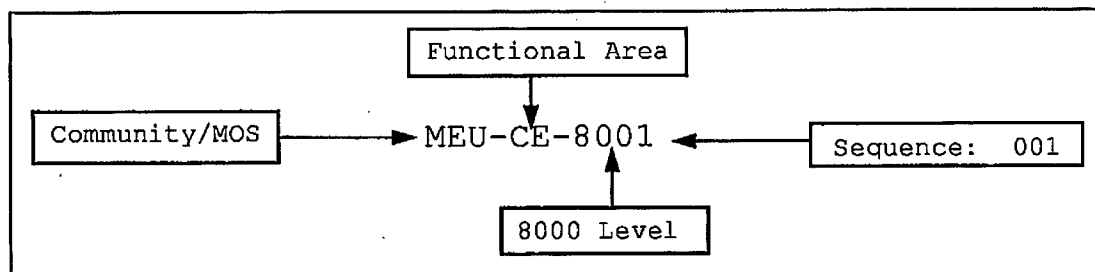


Figure 2: T&R Event Coding

1006. EVALUATION-CODED (E-CODED) EVENTS. Collective events categorize the capabilities that a given unit may be expected to perform. There are some collective events that the Marine Corps has determined that a unit **MUST** be able to perform, if that unit is to be considered fully ready for operations. These Evaluation-Coded, or E-Coded events represent the irreducible minimum or the floor of readiness for a unit. E-Coded events are derived from the training measures of effectiveness for the Mission Essential Tasks for units that must report readiness in the Defense Readiness Reporting System (DRRS). It would seem intuitive that most E-Coded events would be for Battalion sized units and higher since those are the units that report in DRRS. However, if the Marine Corps has determined that the readiness of a subordinate, supporting unit to accomplish a particular collective event is vital to the accomplishment of the supported unit's MET, then that lower echelon collective event is E-Coded.

1007. COMBAT READINESS PERCENTAGE

1. The Marine Corps Ground T&R Program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage", as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.
2. Combat Readiness Percentage (CRP) is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.
3. Unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment interval) key training events called "Evaluation-Coded" (E-Coded) Events. E-Coded Events and unit CRP calculation are described in follow-on paragraphs. CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.
4. Individual combat readiness is assessed as the percentage of required individual events in which a Marine is current. This translates as the percentage of training events for his/her MOS and grade that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

1008. CRP CALCULATION

1. Collective training begins at the 3000 level (team, crew or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. Using the battalion-based (unit) model, the battalion (7000-Level) has collective events that directly support a MET on the METL. These collective events are E-Coded and the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.
2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has 4 E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added

together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1: 75% complete (3 of 4 E-Coded events trained)
MET 2: 100% complete (6 of 6 E-Coded events trained)
MET 3: 25% complete (1 of 4 E-Coded events trained)
MET 4: 50% complete (2 of 4 E-Coded events trained)
MET 5: 75% complete (3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP: $75 + 100 + 25 + 50 + 75 = 325$

Unit CRP: $325 \text{ (total MET CRP)} / 5 \text{ (total number of METS)} = 65\%$

1009. T&R EVENT COMPOSITION

1. Event Code. The event code is explained in paragraph 1005.
2. Title. The name of the event. The event title contains one action verb and ideally, one object.
3. Evaluation Coded. Collective events categorize the capabilities that a given unit may be expected to perform. There are some collective events that the Marine Corps has determined that a unit MUST be able to perform, if that unit is to be considered fully ready for operations. These Evaluation-Coded, or E-Coded events represent the irreducible minimum or the floor of readiness for a unit. E-Coded events are derived from the training measures of effectiveness for the Mission Essential Tasks for units that must report readiness in the Defense Readiness Reporting System (DRRS). It would seem intuitive that most E-Coded events would be for Battalion sized units and higher since those are the units that report in DRRS. However, if the Marine Corps has determined that the readiness of a subordinate, supporting unit to accomplish a particular collective event is vital to the accomplishment of the supported unit's MET, then that lower echelon collective event is E-Coded.
4. Supported MET(s). List all METs that are supported by the training event in the judgment of the occupation field drafting the T&R Manual, even if those events are not listed as MOEs in a MET.
5. Sustainment Interval. This is the period, expressed in number of months, between evaluation or retraining requirements. Competencies and capabilities acquired through the accomplishment of training events are to be refreshed at pre-determined intervals. It is essential that these intervals be adhered to in order to ensure Marines maintain proficiency.
6. Billet/MOS. Each individual training event will contain a billet code and/or MOS that designates who is responsible for performing that event and

any corresponding formal course required for that billet. Each commander has the flexibility to shift responsibilities based on the organization of his command. These codes are based on recommendations from the collective subject matter expertise that developed this manual and are listed for each event.

7. Grade. The Grade field indicates the rank at which Marines are required to complete the event.

8. Description. This field allows T&R developers to include an explanation of event purpose, objectives, goals, and requirements. It is a general description of an action requiring learned skills and knowledge, i.e., engage fixed target with crew-served weapons. This is an optional field for individual events but its use is strongly encouraged for collective events. This field can be of great value guiding a formal learning center or OPFOR unit trying to discern the intent behind an event that might not be readily apparent.

9. Condition. Condition refers to the constraints that may affect event performance in a real-world environment. It indicates what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is to be performed, and any specific cues or indicators to which the performer must respond. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.). When resources or safety requirements limit the conditions, this should be stated. The content of the condition should be included in the event on a "by exception" basis. If there exists an assumption regarding the conditions under which all or most of the events in the manual will be performed, then only those additional or exceptional items required should be listed in the condition. The common conditions under which all the events in a chapter will be executed will be listed as a separate paragraph at the beginning of the chapter.

10. Standard. The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and must be strictly adhered to. The standard for collective events will likely be general, describing the desired end-state or purpose of the event. The standard for individual events will be objective, quantifiable, and readily observable. Standards will more specifically describe to what proficiency level, specified in terms of accuracy, completeness, time required, and sequencing the event is to be accomplished. These guidelines can be summarized in the acronym "ACTS." In no cases will "per the reference" or "per/in accordance with commander's intent" be used as a stand-alone standard.

11. Event Components/Performance Steps. Description of the actions that the event is composed of, or a list of subordinate, included T&R event codes and event descriptions. The event components help the user determine what must be accomplished and to properly plan for the event. Event components are used for collective events; performance steps are used for individual events.

a. The event components and performance steps will be consciously written so that they may be employed as performance evaluation check lists by the operating forces.

b. Event components may be events one individual in the unit performs, events that small groups in the unit perform, or events involving the entire unit. After the publication of this order, all component events will identify the behaviors required in plain English but also by citing the precise event number the component event refers to, unless that component event only occurs as part of the collective event where it is listed. This provision will allow for specific events to be chained together in order to provide greater granularity for units and Marines executing the events, and clarity for those charged with evaluating unit performance.

12. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

13. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

14. Related ITEs. A list of all of the Individual Training Events (1000-2000-level events) that support the event.

15. Initial Training Setting. All individual events will designate the setting at which the skill is first taught, either at formal learning center (FLC), in the Operational Forces as MOJT, or via a distance learning product (DL).

16. References. The training references shall be utilized to determine task performance steps. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. T&R Manuals are designed to be a training outline, not to replicate or replace doctrinal publications, reference publications or technical manuals. References are key to developing detailed lesson plans, determining grading criteria, and ensuring standardization of training.

17. Distance Learning Products. Distance learning products include: Individual Multimedia Instruction (IMI), Computer-Based Training (CBT), Marine Corps Institute (MCI), etc. This notation is included when, in the opinion of the TRMG in consultation with the MTSD representative, the event can be taught via one of these media vice attending a formal course of instruction or receiving MOJT.

18. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. This is a key section in the overall T&R effort, as resources will eventually be tied directly to the training towards METS. Future efforts to attain and allocate resources will be based on the requirements outlined in the T&R Manual. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel

The ordnance requirements for one year of training for the events in the T&R will be aggregated into a table contained in an appendix to the T&R. The task analyst and the occupational field representatives will be careful not to "double count" ammunition that might be employed in the performance of individual and collective events that are chained.

19. Suitability of Simulation DL for sustainment. If the occupational field determines that an event can be trained to standard by use of simulation or a DL product, this will be noted in the description block. The specific simulation or DL product that is acceptable will be noted in the block as well.

a. Simulation should be used, whenever possible, in lieu of live training (particularly when resources to support the event are constrained); or at the Commander's discretion, used as a precursor to live training in order to help maximize and enhance the live training event.

b. This task can be supported by self-paced, computer based training, (i.e. MarineNet).

20. Miscellaneous

a. This field provides space for any additional information that will assist in the planning and execution of the event. Units and FLCs are cautioned not to disregard this information or to consider the information of lesser importance than what is contained in other parts of the T&R event. Miscellaneous fields provide an opportunity for the drafters of the T&R event to communicate vital information that might not fit neatly into any other available field. The list may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

b. An example of a T&R event is provided in figure 4-2.

<u>0321-PAT-4101</u> Conduct Team Planning											
<u>EVALUATION CODED:</u> YES		<u>SUPPORTED MET(S):</u> 1, 2, 3, 4, 5, 6, 7, 8, 9									
<p><u>DESCRIPTION:</u> The unit is conducting tactical operations. The unit has been issued a warning order to conduct reconnaissance patrols to collect information and to conduct normal security patrols. The patrol will be conducted on a 24-hour basis. This event may be trained to standard using the XYZ simulation program available at all MISTC locations.</p>											
<p><u>CONDITION:</u> When given a Warning Order, Patrol Order or Frag Order.</p>											
<p><u>STANDARD:</u> Prior to commencement of exercise or operation, so that subordinates have 2/3 of the total time before step-off for planning, to include all elements of the plan.</p>											
<p><u>EVENT COMPONENTS:</u></p> <ol style="list-style-type: none">1. Receive Warning Order or Patrol Order.2. Analyze for Mission using commander's guidance, METT-TSL, KOCOA.3. Analyze the mission and available information to identify specific tasks with respect to commander's guidance, METT-TSL and KOCOA.4. Create the plan.											
<p><u>RELATED ITES:</u></p> <table><tr><td>0321-PAT -1102</td><td>0321-PAT -1101</td><td>0321-COMM-1207</td><td>0321-FSPT-2301</td></tr><tr><td>0321-FSPT-2302</td><td>0321-FSPT-2303</td><td>0321-SURV-1403</td><td></td></tr></table>				0321-PAT -1102	0321-PAT -1101	0321-COMM-1207	0321-FSPT-2301	0321-FSPT-2302	0321-FSPT-2303	0321-SURV-1403	
0321-PAT -1102	0321-PAT -1101	0321-COMM-1207	0321-FSPT-2301								
0321-FSPT-2302	0321-FSPT-2303	0321-SURV-1403									
<p><u>REFERENCES:</u></p> <ol style="list-style-type: none">1. FMFM 6-4 Marine Rifle Company2. MCWP 3-11.3 Scouting and Patrolling3. MCRP 2-15.1 DRAFT Ground Reconnaissance Handbook											

Figure 1-3: Example of a T&R Event

1010. CBRND TRAINING

1. All personnel assigned to the operating force must be trained in chemical, biological, radiological, and nuclear defense (CBRND), in order to survive and continue their mission in a CBRN environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive a CBRN incident. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in a CBRND environment.

2. CBRN Officers and Specialists are instrumental in integrating realistic scenarios/situations that challenge units' ability to operate in a CBRN environment. Units should train under CBRND conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

1011. NIGHT TRAINING

1. While it is understood that all personnel and units of the operating force are capable of performing their assigned mission in "every climate and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.
2. To ensure units are capable of accomplishing their mission they must train under the conditions of limited visibility. Units should strive to conduct all events in this T&R Manual during both day and night/limited visibility conditions. When there is limited training time available, night training should take precedence over daylight training, contingent on individual, crew, and unit proficiency.

1012. OPERATIONAL RISK MANAGEMENT (ORM)

1. ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool used by Marines at all levels to increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM minimizes risks to acceptable levels, commensurate with mission accomplishment.
2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM is found in references (b) and (d).

1013. APPLICATION OF SIMULATION

1. Simulations/Simulators and other training devices shall be used when they are capable of effectively and economically supplementing training on the identified training task. Particular emphasis shall be placed on simulators that provide training that might be limited by safety considerations or constraints on training space, time, or other resources. When deciding on simulation issues, the primary consideration shall be improving the quality of training and consequently the state of readiness. Potential savings in operating and support costs normally shall be an important secondary consideration.
2. Each training event contains information relating to the applicability of simulation. If simulator training applies to the event, then the applicable simulator(s) is/are listed in the "Simulation" section and the CRP for

simulation training is given. This simulation training can either be used in place of live training, at the reduced CRP indicated; or can be used as a precursor training for the live event, i.e., weapons simulators, convoy trainers, observed fire trainers, etc. It is recommended that tasks be performed by simulation prior to being performed in a live-fire environment. However, in the case where simulation is used as a precursor for the live event, then the unit will receive credit for the live event CRP only. If a tactical situation develops that precludes performing the live event, the unit would then receive credit for the simulation CRP.

1014. MARINE CORPS GROUND T&R PROGRAM

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability METs are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the Marine Corps Task List (MCTL), through the core capability METs, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit's training toward its METs, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units' METs.

MEU T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS LIST MATRIX

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MEU T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS LIST MATRIX

2000. MEU MISSION ESSENTIAL TASKS (METS). The list below includes the core capability METL for the MEU. The MEU METL is supported by the Command Element (CE) and Major Subordinate Elements (MSE) METLs identified in paragraph 2001. All METs are derived from the Marine Corps Task List (MCTL) and approved by the Marine Expeditionary Unit (MEU) Operational Advisory Group for DRRS reporting.

MET 10	MCT 1.3.2.2	Conduct Amphibious Raid
MET 11	MCT 1.3.2.3	Conduct Amphibious Assault
MET 1	MCT 1.3.2.8	Conduct Maritime Interdiction Operations
MET 33	MCT 1.3.3.3.2	Conduct Aviation Operations From Expeditionary Shore-Based Sites
MET 34	MCT 1.6.10	Conduct Advance Force Operations
MET 14	MCT 1.6.5.6	Conduct Airfield Seizure Operations
MET 15	MCT 1.6.6.6	Conduct Noncombatant Evacuation Operations (NEO)
MET 16	MCT 1.6.6.7	Conduct Humanitarian Assistance (HA)
MET 17	MCT 1.6.6.9	Conduct Stability Operations
MET 35	MCT 5.5	Conduct Joint and Combined Operations
MET 36	MCT 5.5.5	Conduct Support Theater Security Cooperation (TSC) Activities
MET 19	MCT 6.2.1	Conduct Tactical Recovery of Aircraft and Personnel (TRAP)

2001. MISSION ESSENTIAL TASKS LIST (METL). The list below includes the core capability METLs for the CE and MSE with the collective E-Coded events that support each MET. All METs are derived from the Marine Corps Task List (MCTL) and approved by the Marine Expeditionary Unit (MEU) Operational Advisory Group for DRRS reporting.

Command Element (CE) METL

MET 1	MCT 1.3.2.8	Conduct Maritime Interdiction Operations
MET 2	MCT 2.1	Plan and Direct Intelligence Operations
MET 3	MCT 3.2.1.3	Integrate Fire Support with the Scheme of Maneuver
MET 4	MCT 3.2.7	Conduct Battlespace Shaping Operations
MET 5	MCT 4.3.1	Conduct Embark Support
MET 6	MCT 4.11	Plan and Direct Logistics Operations
MET 7	MCT 5	Exercise Command and Control
MET 8	MCT 5.4.1	Conduct Information Operations Battlespace Shaping
MET 9	MCT 5.5.2.1	Integrate and Operate with Joint and Interagency Organizations
MET 33	MCT 1.3.3.3.2	Conduct Aviation Operations From Expeditionary Shore-Based Sites
MET 34	MCT 1.6.10	Conduct Advance Force Operations
MET 35	MCT 5.5	Conduct Joint and Combined Operations

MET 36 MCT 5.5.5 Conduct Support Theater Security Cooperation (TSC) Activities

Ground Combat Element (GCE) METL

MET 10 MCT 1.3.2.2 Conduct Amphibious Raid
MET 11 MCT 1.3.2.3 Conduct Amphibious Assault
MET 12 MCT 1.6.1 Conduct Offensive Operations
MET 13 MCT 1.6.4 Conduct Defensive Operations
MET 14 MCT 1.6.5.6 Conduct Airfield/Port Seizure Operations
MET 15 MCT 1.6.6.6 Conduct Noncombatant Evacuation Operations
MET 16 MCT 1.6.6.7 Conduct Humanitarian Assistance
MET 17 MCT 1.6.6.9 Conduct Stability Operations
MET 18 MCT 5.5.1 Integrate and Operate with Joint, Interagency, Intergovernmental & Multinational (JIIM) Organizations
MET 19 MCT 6.2.1 Conduct Tactical Recovery of Aircraft and Personnel

Logistics Combat Element (LCE) METL

MET 20 MCT 1.6.6.6.1 Provide Evacuation Control Center (ECC)
MET 21 MCT 4.1.2 Conduct Ground Supply Operations
MET 22 MCT 4.2.2 Conduct Ground Equipment Maintenance
MET 23 MCT 4.3 Conduct Transportation Operations
MET 24 MCT 4.4 Conduct General Engineering Operations
MET 25 MCT 4.5 Provide Health Services
MET 26 MCT 4.6.1 Provide Logistics Combat Element (LCE) Support Services
MET 16 MCT 1.6.6.7 Conduct Humanitarian Assistance
MET 37 MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

Aviation Combat Element (ACE) METL

MET 27 MCT 1.3.3 Conduct Aviation Operations
MET 28 MCT 1.3.4 Conduct Assault Support Operations
MET 29 MCT 2.2.5.2 Conduct Air Reconnaissance
MET 30 MCT 3.2.3 Conduct Aviation Delivered Fires
MET 31 MCT 5.3.5 Control Aircraft and Missiles
MET 32 MCT 6.1.1.7 Conduct Anti-Air Warfare (Air Defense)

The matrix below reflects the appropriate supporting events for each MET. Events that are not MEU specific are maintained in the manual identified in column three.

Command Element (CE)

MET	MCT	Manual	Version	E-Coded
MET 1	MCT 1.3.2.8 Conduct Maritime Interdiction Operations	Manual	Version	E-Coded
MEU-VBSS-8001	Direct a VBSS Operation	MEU	New	Yes
MEU-VBSS-6001	Conduct a VBSS Mission	MEU	New	
MEU-VBSS-6002	Insert a Boat Assault Force (BAF)	MEU	New	
MEU-VBSS-6003	Insert a Helicopter-borne Assault Force (HAF)	MEU	New	
MEU-VBSS-6004	Insert a Combined BAF/HAF	MEU	New	

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MEU-VBSS-8002	Plan and coordinate Supporting Fires	MEU	New	Yes
MEU-VBSS-5001	Conduct Close Quarters Tactics (CQT)	MEU	New	
MEU-VBSS-2001	Employ Ship, Vessel, or Maritime Platform Communications System	MEU	New	
MEU-VBSS-1001	Employ a Tactical Flotation Support System (TFSS)	MEU	New	
MCT 2	MCT 2.1 Plan and Direct Intelligence Operations	Manual	Version	Not coded
MEU-INT-8003	Coordinate Full Spectrum Intelligence Operations	MEU	New	Yes
MEU-INT-8001	Conduct Intelligence Support to Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
MEU-INT-8005	Conduct Intelligence and Surveillance and Reconnaissance Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
MEU-OPS-8800	Conduct climatic/meteorological analysis	MEU	New	Yes
MCT 3	MCT 3.2.1.3 Integrate Fire Support w/ the Scheme of Maneuver	Manual	Version	Not coded
MEU-FSPT-8301	Conduct Fire Support Planning	MEU	New	Yes
MEU-FSPT-8302	Conduct Fire Support Coordination	MEU	New	Yes
MEU-FSPT-8303	Develop deliberate (D3A) targeting	MEU	New	Yes
MEU-FSPT-8304	Develop dynamic targeting	MEU	New	Yes
MEU-FSPT-8306	Conduct joint fires	MEU	New	Yes
MCT 4	MCT 4.2.7 Conduct Battlespace Shaping Operations	Manual	Version	Not coded
MEU-INT-8001	Conduct Intelligence Support to Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
MEU-FSPT-8301	Conduct Fire Support Planning	MEU	New	Yes
MEU-FSPT-8302	Conduct Fire Support Coordination	MEU	New	Yes
MEU-INT-8005	Conduct Intelligence and Surveillance and Reconnaissance Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
MEU-FSPT-8303	Develop deliberate (D3A) targeting	MEU	New	Yes
MEU-FSPT-8304	Develop dynamic targeting	MEU	New	Yes
MEU-FSPT-8306	Conduct joint fires	MEU	New	Yes
MEU-IO-8001	Plan and Direct Information Operations	MEU	New	Yes
MEU-OPS-8800	Conduct climatic/meteorological analysis	MEU	New	Yes
MEU-INT-8003	Coordinate Full Spectrum Intelligence Operations	MEU	New	Yes
MCT 5	MCT 5.3.1 Conduct Embark Support	Manual	Version	Not coded
MEU-LOG-8006	Prepare Forces for Movement	MEU	New	Yes
MEU-LOG-8011	Plan and Direct Embarkation/Debarkation Operations	MEU	New	Yes
MEU-LOG-8010	Determine Lift Requirements	MEU	New	Yes
LOG-EXCU-4302	Conduct Amphibious Embarkation	Logistics	NAVMC 3500.27A - 26 June 2008	Yes
MEU-CE-8002	Conduct Embarkation	MEU	New	Yes
MCT 6	MCT 6.1.1 Plan and Direct Logistics Operations	Manual	Version	Not coded
MEU-C2-8002	Conduct Combat Operations Center (COC) Operations	MEU	New	Yes
MEU-C2-8003	Establish/Conduct Landing Force Operations Center (LFOC) Operations	MEU	New	Yes
MEU-C2-8005	Conduct planning	MEU	New	Yes
MEU-C2-8006	Conduct assessment	MEU	New	Yes
MEU-CE-8002	Conduct embarkation	MEU	New	Yes
MEU-LOG-8002	Plan and direct Transportation Operations	MEU	New	Yes
MEU-LOG-8003	Plan and Direct supply operations	MEU	New	Yes
MEU-LOG-8004	Plan and direct general engineering	MEU	New	Yes

	operations			
MEU-LOG-8005	Plan and Direct maintenance operations	MEU	New	Yes
MEU-LOG-8006	Prepare Forces for Movement	MEU	New	Yes
MEU-LOG-8007	Plan and direct services	MEU	New	Yes
MEU-LOG-8010	Determine lift requirements	MEU	New	Yes
MEU-LOG-8011	Plan and direct embarkation/debarkation operations	MEU	New	Yes
MEU-LOG-8015	Provide and Direct health services support (HSS)	MEU	New	Yes
MEU-OPS-8001	Plan and direct amphibious operations	MEU	New	Yes
MCT 7	MCT 5 Exercise Command and Control	Manual	Version	E-Coded
MEU-C2-8001	Plan and Direct Communications and Information System (CIS)	MEU	New	Yes
MEU-C2-8002	Conduct combat operations center (COC) Operations	MEU	New	Yes
MEU-C2-8003	Establish/Conduct Landing Force Operations Center (LFOC)	MEU	New	Yes
MEU-C2-8004	Execute the orders process	MEU	New	Yes
MEU-C2-8005	Conduct Planning	MEU	New	Yes
MEU-C2-8006	Conduct assessment	MEU	New	Yes
MEU-CBRN-8702	Plan and direct CBRN defense operations	MEU	New	Yes
MEU-CE-8004	Conduct information operations	MEU	New	Yes
MEU-FSPT-8302	Conduct fire support coordination	MEU	New	Yes
MEU-OPS-8001	Plan and direct Amphibious Operations	MEU	New	Yes
MEU-OPS-8002	Plan and Direct Expeditionary Support to other operations, crisis response and contingency operations	MEU	New	Yes
MEU-OPS-8003	Integrate with Special Operations Forces	MEU	New	Yes
MEU-OPS-8004	Integrate with multinational forces and /or intergovernmental organizations	MEU	New	Yes
MEU-OPS-8007	Integrate with Joint Forces and Interagency Organizations	MEU	New	Yes
MEU-OPS-8008	Employ command and control systems	MEU	New	Yes
MEU-OPS-8009	Execute command and control of an operation	MEU	New	Yes
MCT 8	MCT 5 4 1 Conduct Information Operations (IO) Battlespace Shaping	Manual	Version	E-Coded
MEU-CE-8004	Conduct Information Operations	MEU	New	Yes
MCT 9	MCT 5 5 2 1 Integrate and Operate with Joint and Interagency Organizations	Manual	Version	E-Coded
MEU-OPS-8003	Integrate with Special Operations Forces	MEU	New	Yes
MEU-OPS-8004	Integrate with multinational forces and/or intergovernmental organizations	MEU	New	Yes
MEU-OPS-8005	Conduct security cooperation activities	MEU	New	
MEU-OPS-8007	Integrate with Joint Forces and Interagency Organizations	MEU	New	Yes

Ground Combat Element (GCE)

MCT 10	MCT 1 3 2 2 Conduct Amphibious Raid	Manual	Version	E-Coded
MEU-GCE-7001	Conduct Amphibious Operations	MEU	New	Yes
MEU-GCE-6001	Conduct Waterborne Ship-to-Shore Movement Using Small Boat (31st MEU Only)	MEU	New	

0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-OFF-5001	Conduct a Raid	Recon	Working	Yes
0321-RECN-5001	Conduct Ground Reconnaissance	Recon	Working	
AAV-AMPH-5602	Conduct Waterborne Ship to Shore Movement	AAV	Version 1	Yes
AAV-AMPH-5603	Support Amphibious Raid	AAV	Signed Manual June 2009	Yes
ARTY-BTRY-6102	Conduct Reconnaissance and Selection of Position (Vertical Assault)	Artillery	Working Copy of Signed 15 Mar 07	Yes
ARTY-BTRY-6108	Occupy Position Area (Helo OPS)	Artillery	Working Copy of Signed 15 Mar 07	
ARTY-BTRY-6114	Plan and Schedule Fires	Artillery	Working Copy of Signed 15 Mar 07	
ARTY-BTRY-6115	Execute a Schedule of Fires	Artillery	Working Copy of Signed 15 Mar 07	
ARTY-BTRY-6132	Plan Helicopter Operations	Artillery	Working Copy of Signed 15 Mar 07	
ARTY-FDC-6113	Conduct Indirect Fire Missions	Artillery	Working Copy of Signed 15 Mar 07	Yes
ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-MOBL-5801	Conduct Obstacle Breaching Operations	Engineer	Version 2	Yes
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5901	Conduct Cache Sweep Operations	Engineer	Version 2	
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-C2-7002	Conduct Command Post (CP) Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-C2-6013	Prepare for Combat Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7301	Operate the Fire Support Coordination Center or Equivalent	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7302	Conduct Fire Support Coordination	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-6301	Conduct Fire Support Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-6302	Conduct Fire Support Team (FIST) Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7192	Conduct an Amphibious Assault	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-6109	Conduct a Raid	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-6154	Conduct a Helicopter-Borne/Tilt-Rotor Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
MEU-11	MEU-11-3-2-3 Conduct Amphibious Assault	Manual	Version 1	E-Coded
MEU-GCE-7001	Conduct Amphibious Operations	MEU	New	Yes
MEU-GCE-6001	Conduct Waterborne Ship-to-Shore Movement Using Small Boat (31st MEU Only)	MEU	New	
0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	Yes
0321-RECN-5001	Conduct Ground Reconnaissance	Recon	Working	Yes
AAV-AMPH-5602	Support Amphibious Assault	AAV	Signed Manual June 2009	Yes
ARTY-BTRY-6102	Conduct Reconnaissance and Selection of Position (Vertical Assault)	Artillery	Working Copy of Signed 15 Mar 07	Yes
ARTY-BTRY-6108	Occupy Position Area (Helo OPS)	Artillery	Working Copy of Signed 15 Mar 07	
ARTY-BTRY-6132	Plan Helicopter Operations	Artillery	Working Copy of Signed 15 Mar 07	
ENGR-MOBL-5801	Conduct Obstacle Breaching	Engineer	Version 2	Yes

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	Operations			
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5401	Conduct Engineer Reconnaissance	Engineer	Version 2	Yes
ENGR-RECN-5901	Conduct Cache Sweep Operations	Engineer	Version 2	
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-C2-7002	Conduct Command Post (CP) Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7192	Conduct an Amphibious Assault	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-FSPT-7301	Operate the Fire Support Coordination Center	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7302	Conduct Fire Support Coordination	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
LAR-DEF-5091	Conduct a Screen	LAR	NAVMC 3500.16 Draft Jan 2010	
LAR-MNVR-5001	Perform a Zone Reconnaissance	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
MET 12	MCT 1.6-1 Conduct Offensive Operations	Manual	Version	Decoded
MEU-GCE-7001	Conduct Amphibious Operations	MEU	New	Yes
MEU-GCE-7002	Conduct Offensive Operations	MEU	New	Yes
0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	Yes
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-RECN-5001	Conduct Ground Reconnaissance	Recon	Working	Yes
AAV-TAC-5701	Support a Mechanized Attack	AAV	Signed Manual June 2009	Yes
ARTY-FDC-6113	Conduct Indirect Fire Missions	Artillery	Working Copy of Signed 15 Mar 07	Yes
ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-DEMO-5402	Conduct Demolition Operations	Engineer	Version 2	Yes
ENGR-MOBL-5401	Construct Expedient HLZ	Engineer	Version 2	Yes
ENGR-MOBL-5801	Conduct Obstacle Breaching Operations	Engineer	Version 2	Yes
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5901	Conduct Cache Sweep Operations	Engineer	Version 2	
ENGR-SURV-5401	Construct Survivability Positions	Engineer	Version 2	Yes
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COMM-7201	Employ a Command, Control, Communication, and Computer Suite (C4)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7301	Operate the Fire Support Coordination Center	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7302	Conduct Fire Support Coordination	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7102	Conduct a Ground Attack	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7103	Conduct a Movement to Contact	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7150	Occupy an Assembly Area	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-6113	Conduct a Relief in Place (RIP)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-6114	Conduct a Passage of Lines	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-6154	Conduct a Helicopter-Borne/Tilt- Rotor Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-5107	React to a Meeting Engagement	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-WPNS-5309	Employ an Anti-Armor	Infantry	Working Copy NAVMC 3500.44A	

	Section/Platoon in Support of Battalion Operations		(Revision Pending)	
INF-STAB-7601	Conduct Civil Military Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
LAR-DEF-5091	Conduct a Screen	LAR	NAVMC 3500.16 Draft Jan 2010	
LAR-MNVR-5001	Conduct Zone Reconnaissance	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
LAR-OFF-5202	Support an Attack	LAR	NAVMC 3500.16 Draft Jan 2010	
TANK-TAC-5808	Conduct an Attack by Fire	Tank	Working Copy of NAVMC DIR 3500.100	
META-13	MCT 1-6-4 Conduct Defensive Operations	Manual	Version 1	E-coded
MEU-GCE-7001	Conduct Amphibious Operations	MEU	New	Yes
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-REC-5001	Conduct Ground Reconnaissance	Recon	Working	Yes
AAV-TAC-5716	Support Infantry Defensive Operations	AAV	Version 1	Yes
ARTY-FDC-6113	Conduct Indirect Fire Missions	Artillery	Working Copy of Signed 15 Mar 07	Yes
ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-MOBL-5401	Construct Expedient HLZ	Engineer	Version 2	Yes
ENGR-MOBL-5801	Conduct Obstacle Breaching Operations	Engineer	Version 2	
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-REC-5401	Conduct Engineer Reconnaissance	Engineer	Version 2	Yes
ENGR-SURV-5401	Construct Survivability Positions	Engineer	Version 2	Yes
ENGR-SURV-5403	Construct Field Fortifications	Engineer	Version 2	Yes
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7301	Operate the Fire Support Coordination Center	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7302	Conduct Fire Support Coordination	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7141	Conduct Security Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-6150	Occupy an Assembly Area	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-5132	Conduct a Defense	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-7601	Conduct Civil Military Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
LAR-DEF-5091	Conduct a Screen	LAR	NAVMC 3500.16 Draft Jan 2010	
LAR-DEF-5092	Establish a Platoon Battle Position	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
TANK-TAC-5816	Defend a Battle Position	Tank	Working Copy of NAVMC DIR 3500.100	
META-14	MCT 1-6-5 Conduct Airfield/Port Seizure Operations	Manual	Version 1	E-coded
MEU-GCE-7001	Conduct Amphibious Operations	MEU	New	Yes
MEU-GCE-7002	Conduct Offensive Operations	MEU	New	Yes
MEU-GCE-7003	Conduct Helicopter/Tilt-Rotor Borne Operations	MEU	New	
MEU-GCE-6001	Conduct Waterborne Ship-to-Shore Movement Using Small Boat (31st MEU Only)	MEU	New	
0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	Yes
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-REC-5001	Conduct Ground Reconnaissance	Recon	Working	Yes

AAV-AMPH-5602	Support Amphibious Assault	AAV	Signed Manual June 2009	Yes
AAV-TAC-5701	Support a Mechanized Attack	AAV	Signed Manual June 2009	Yes
AAV-TAC-5716	Support Infantry Defensive Operations	AAV	Version 1	Yes
ARTY-FDC-6113	Conduct Indirect Fire Missions	Artillery	Working Copy of Signed 15 Mar 07	Yes
ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-DEMO-5402	Conduct Demolition Operations	Engineer	Version 2	Yes
ENGR-MOBL-5801	Conduct Obstacle Breaching Operations	Engineer	Version 2	Yes
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5901	Conduct Cache Sweep Operations	Engineer	Version 2	
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-COMM-7201	Employ a Command, Control, Communication, and Computer Suite (C4)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7302	Conduct Fire Support Coordination	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7191	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7192	Conduct an Amphibious Assault	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-5132	Conduct a Defense	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
LAR-MNVR-6001	Conduct Zone Reconnaissance	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
LAR-DEF-6091	Conduct a Screen	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
TANK-TAC-5808	Conduct an Attack by Fire	Tank	Working Copy of NAVMC DIR 3500.100	
TANK-TAC-5816	Defend a Battle Position	Tank	Working Copy of NAVMC DIR 3500.100	
MET-15	MCT 1-6-6-6 Conduct Noncombatant Evacuation Operations	Manual	Version	E-coded
MEU-GCE-6002	Conduct Non-Lethal Weapons Operations	MEU	New	
0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	Yes
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-RECN-5001	Conduct Ground Reconnaissance	Recon	Working	Yes
AAV-AMPH-5606	Support Non Combatant Evacuation Operations	AAV	Signed Manual June 2009	
ARTY-LNO-6405	Coordinate Fire Support	Artillery	Working Copy of Signed 15 Mar 07	Yes
ARTY-BTRY-6103	Conduct a Tactical March	Artillery	Working Copy of Signed 15 Mar 07	Yes
ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5401	Conduct Engineer Reconnaissance	Engineer	Version 2	Yes
ENGR-SURV-5401	Construct Survivability Positions	Engineer	Version 2	Yes
ENGR-SURV-5403	Construct Field Fortifications	Engineer	Version 2	Yes
INF-COIN-7705	Conduct Counterinsurgency Psychological Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COMM-7201	Employ a Command, Control, Communication, and Computer Suite (C4)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-CSS-6403	Conduct Tactical Logistics	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-EXPO-6904	Conduct Non-Combatant Evacuation Operations (NEO)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7135	Control an Area	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7184	Conduct a Tactical March/Convoy Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	

INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7196	Conduct Non-Combatant Evacuation Operations (NEO)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-PAT-6141	Conduct Security Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
MET-16	MCT 1-6-67 Conduct Humanitarian Assistance	Manual	Version	2-Coded
MEU-GCE-7004	Support Humanitarian Assistance/Disaster Response	MEU	New	Yes
MEU-GCE-6002	Conduct Non-Lethal Weapons Operations	MEU	New	
0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	Yes
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-RECN-5001	Conduct Ground Reconnaissance	Recon	Working	Yes
AAV-AMPH-5602	Conduct Waterborne Ship-to-Shore Movement	AAV	Version 1	Yes
AAV-TAC-5716	Support Infantry Defensive Operations	AAV	Version 1	Yes
AAV-CSS-5503	Support Casualty Evacuation Operations	AAV	Signed Manual June 2009	
ENGR-MOBL-5401	Construct Expedient HLZ	Engineer	Version 2	Yes
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5401	Conduct Engineer Reconnaissance	Engineer	Version 2	Yes
ENGR-SURV-5402	Harden Existing Structure	Engineer	Version 2	Yes
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COIN-7705	Conduct Counterinsurgency Psychological Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COMM-7201	Employ a Command, Control, Communication, and Computer Suite (C4)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-CSS-6403	Conduct Tactical Logistics	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7184	Conduct a Tactical March/Convoy Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-5132	Conduct a Defense	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MED-7430	Process Casualties	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-PAT-6141	Conduct Security Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-6602	Restore Civil Security	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
LAR-DEF-6091	Conduct a Screen	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
MET-17	MCT 1-7-69 Conduct Stability Operations	Manual	Version	2-Coded
MEU-GCE-7004	Conduct Humanitarian Assistance	MEU	New	Yes
MEU-GCE-6002	Conduct Non-Lethal Weapons Operations	MEU	New	
0321-AMPH-5001	Conduct Amphibious Reconnaissance	Recon	Working	Yes
0321-C2-5001	Conduct Platoon Reconnaissance Operations Center (ROC) Operations	Recon	Working	Yes
0321-OFF-5001	Conduct a Raid	Recon	Working	Yes
0321-RECN-5001	Conduct Ground Reconnaissance	Recon	Working	Yes
AAV-TAC-5716	Support Infantry Defensive Operations	AAV	Version 1	Yes
AAV-TAC-5721	Support Infantry Offensive Operations	AAV	Version 1	Yes
ARTY-FDC-6113	Conduct Indirect Fire Missions	Artillery	Working Copy of Signed 15 Mar 07	Yes

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ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-DEMO-5402	Conduct Demolition Operations	Engineer	Version 2	Yes
ENGR-MOBL-5401	Construct Expedient HLZ	Engineer	Version 2	Yes
ENGR-MOBL-5801	Conduct Obstacle Breaching Operations	Engineer	Version 2	Yes
ENGR-INF-5401	Fight as Provisional Infantry	Engineer	Version 2	
ENGR-RECN-5401	Conduct Engineer Reconnaissance	Engineer	Version 2	Yes
ENGR-RECN-5901	Conduct Cache Sweep Operations	Engineer	Version 2	
ENGR-SURV-5401	Construct Survivability Positions	Engineer	Version 2	Yes
ENGR-SURV-5402	Harden Existing Structure	Engineer	Version 2	Yes
ENGR-SURV-5403	Construct Field Fortifications	Engineer	Version 2	Yes
INF-C2-7005	Conduct Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COIN-7703	Build Local Governance	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COIN-7705	Conduct Counterinsurgency Psychological Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COIN-7706	Conduct Attack the Network (AtN) operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-COMM-7201	Employ a Command, Control, Communication, and Computer Suite (C4)	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-FSPT-7302	Conduct Fire Support Coordination	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-INT-7002	Conduct Intelligence Support to Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-7179	Conduct Amphibious Staff Planning	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-7102	Conduct a Ground Attack	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-CSS-6406	Process Detainees	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-6154	Conduct a Helicopter-Borne/Tilt-Rotor Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-5132	Conduct a Defense	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-MAN-6109	Conduct a Raid	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-MAN-6710	Conduct a Cordon and Search	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
INF-PAT-6141	Conduct Security Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-7601	Conduct Civil Military Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-7603	Support the Establishment of Civil Control	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-7604	Support the Restoration of Essential Services	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-7606	Support Economic Development	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-7611	Hold an Area Cleared of Insurgents	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
INF-STAB-6602	Restore Civil Security	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
LAR-DEF-6091	Conduct a Screen	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
LAR-DEF-6096	Conduct Area Security	LAR	NAVMC 3500.16 Draft Jan 2010	Yes
TANK-OTH-5703	Support Roadblock/Checkpoint Operations	Tank	Working Copy of NAVMC DIR 3500.100	
MET 18	MCT 5-5.1 Integrate and Operate with Joint, Interagency, Intergovernmental & Multinational (JLIM) Organizations	Manual	Version	P-Coded
INF-COIN-7705	Conduct Counterinsurgency	Infantry	Working Copy NAVMC 3500.44A	

	Psychological Operations		(Revision Pending)	
INF-INT-7002	Conduct Intelligence Support to Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	
MET-19	MCT-6.2.14 Conduct Tactical Recovery of Aircraft and Personnel	Manual	Version	Coded
MEU-GCE-7005	Conduct a Tactical Recovery of Aircraft and Personnel (TRAP)	MEU	New	Yes

Logistics Combat Element (LCE)

MET-20	MCT-6.6.6.1 Provide Evacuation Control Center	Manual	Version	Coded
MEU-LCE-7002	Provide Evacuation Control Center (ECC) Operations	MEU	New	Yes
MET-16	MCT-6.6.6.7 Conduct Humanitarian Assistance	Manual	Version	Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes
MEU-LCE-7003	Support Civil-Military Operations	MEU	New	
MEU-LCE-7004	Support Disaster Relief Operations	MEU	New	
MEU-LCE-7005	Support Non-Combatant Evacuation Operations (NEO)	MEU	New	
MEU-LCE-4001	Provide Military Police Support	MEU	New	
C2OP-OPS-7001	Communicate with Commander throughout the orders process	C2	Working Copy	Yes
C2OP-OPS-7003	Employ command and control systems	C2	Working Copy	Yes
C2OP-OPS-7004	Execute command and control of an operations	C2	Working Copy	Yes
C2OP-PLAN-7007	Establish C2 Systems Integration Plan	C2	Working Copy	Yes
ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-MOBL-5401	Construct Expedient HLZ	Engineer	Version 2	Yes
ENGR-MOBL-5501	Construct Tactical Landing Zones	Engineer	Version 2	
ENGR-MOBL-5709	Construct Combat Roads	Engineer	Version 2	Yes
ENGR-SURV-5401	Construct survivability positions	Engineer	Version 2	Yes
ENGR-SURV-5402	Harden Existing Structure	Engineer	Version 2	Yes
ENGR-SURV-5403	Construct Field Fortifications	Engineer	Version 2	Yes
ENGR-XENG-5401	Provide Engineer Equipment Support	Engineer	Version 2	Yes
ENGR-XENG-5402	Prepare Site For Construction	Engineer	Version 2	
ENGR-XENG-5501	Conduct Horizontal Construction	Engineer	Version 2	Yes
ENGR-XENG-5701	Conduct Vertical Construction	Engineer	Version 2	
FUEL-XENG-5502	Maintain Bulk Fuel Petroleum Distribution Site	Engineer	Version 2	
UTIL-XENG-5401	Provide Utilities Support	Engineer	Version 2	Yes
FMS-HSS-5003	Provide Level I HSS	Health Services	Version 1	Yes
FMS-HSS-4003	Provide Level I HSS	Health Services	Version 1	
FMS-FP-4012	Perform Dental Care	Health Services	Version 1	Yes
FMS-FP-4014	Perform Immunization	Health Services	Version 1	Yes
INF-C2-7XXX	Conduct COC Operations	Infantry	Working Copy NAVMC 3500.44A (Revision Pending)	Yes
LOG-OPS-6004	Conduct Convoy Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LOG-OPS-5004	Conduct Beach Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LOG-OPS-5005	Conduct Landing Force Support Party (LFSP) Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
MCMT-MAIN-3002	Maintain Motor Transport Equipment	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-MAIN-3003	Perform Maintenance on Recovered Equipment	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-MAIN-3005	Conduct Recovery Operations	MT	T&R Manual (Approved 17 Aug 10)	

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MCMT-OPER-3004	Conduct Convoy Operations	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-OPER-3006	Conduct Movement Control	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-OPER-3008	Conduct Refueling Operations	MT	T&R Manual (Approved 17 Aug 10)	
ORDM-CSSO-3007	Employ Maintenance Contact Teams	Ground Ordnance	NAVMC 3500.33 - 26 Oct 2007	
ORDM-CSSO-3008	Conduct Recovery of Ordnance Weapons Systems and Equipment	Ground Ordnance	NAVMC 3500.33 - 26 Oct 2007	Yes
SUPP-MISC-7003	Provide Munitions Supply	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
SUPP-MISC-7004	Provide Munitions Storage	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
SUPP-MISC-7005	Conduct Distribution Operations	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
SUPP-FISC-5003	Conduct Unit Fiscal Accounting for Commander	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
SUPP-PRAC-5004	Account for Property and Materiel	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
MET 21	MCT 4.1.2 Conduct Ground Supply Operations	Manual	Version	E-Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes
LOG-SUP-7005	Conduct Supply Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	Yes
SUPP-CSS-5001	Plan for Combat Supply Support Operations	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
SUPP-CSS-5002	Prepare for Deployment	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
SUPP-PRAC-5004	Account for Property and Materiel	Supply	NAVMC 3500.64 (4 Aug 2009 Admin Revision)	Yes
MET 22	MCT 4.2.2 Conduct Ground Equipment Maintenance	Manual	Version	E-Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes
LOG-MAIN-7004	Conduct Maintenance Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
MCMT-MAIN-3002	Maintain Motor Transport Equipment	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-MAIN-3003	Perform Maintenance on Recovered Equipment	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-MAIN-3005	Conduct Recovery Operations	MT	T&R Manual (Approved 17 Aug 10)	
ORDM-CSSO-3008	Conduct Recovery of Ordnance Weapon Systems and Equipment	Ground Ordnance	NAVMC 3500.33 - 26 Oct 2007	Yes
MET 23	MCT 4.3 Conduct Transportation Operations	Manual	Version	E-Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes
LOG-TRAN-7007	Conduct Transportation Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LOG-LS-7003	Conduct Landing Support Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LOG-OPS-6004	Conduct Convoy Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LOG-OPS-5004	Conduct Beach Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LOG-OPS-5005	Conduct Landing Force Support Party (LFSP) Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
MCMT-OPER-3004	Conduct Convoy Operations	MT	T&R Manual (Approved 17 Aug 10)	
MCMT-OPER-3006	Conduct Movement Control	MT	T&R Manual (Approved 17 Aug 10)	
MET 24	MCT 4.4 Conduct General Engineering Operations	Manual	Version	E-Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes

ENGR-CMOB-5701	Create Obstacle Groups	Engineer	Version 2	
ENGR-MOBL-5401	Construct Expedient HLZ	Engineer	Version 2	Yes
ENGR-MOBL-5501	Construct Tactical Landing Zones	Engineer	Version 2	
ENGR-MOBL-5702	Conduct Breach Lane Improvement Operations	Engineer	Version 2	
ENGR-MOBL-5709	Construct Combat Roads	Engineer	Version 2	Yes
ENGR-SURV-5401	Construct survivability positions	Engineer	Version 2	Yes
ENGR-SURV-5402	Harden Existing Structure	Engineer	Version 2	Yes
ENGR-SURV-5403	Construct Field Fortifications	Engineer	Version 2	Yes
ENGR-XENG-5401	Provide Engineer Equipment Support	Engineer	Version 2	Yes
ENGR-XENG-5402	Prepare Site For Construction	Engineer	Version 2	
ENGR-XENG-5501	Conduct Horizontal Construction	Engineer	Version 2	Yes
ENGR-XENG-5701	Conduct Vertical Construction	Engineer	Version 2	
FUEL-XENG-5502	Maintain Bulk Fuel Petroleum Distribution Site	Engineer	Version 2	
UTIL-XENG-5401	Provide Utilities Support	Engineer	Version 2	Yes
LOG-ENG-7001	Conduct General Engineering Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
MET 25	MCT 4.5 Provide Health Services	Manual	Version 2	E-Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes
FMS-HSS-7007	Establish a Casualty Treatment Facility	Health Services	Version 1	
FMS-HSS-6003	Deploy Class VIII	Health Services	Version 1	
FMS-HSS-6008	Perform Mass Casualty Care	Health Services	Version 1	
FMS-FP-4012	Perform Dental Care	Health Services	Version 1	Yes
FMS-FP-4014	Perform Immunization	Health Services	Version 1	Yes
LOG-HSS-7002	Conduct Health Services Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
MET 26	MCT 4.6 Provide Logistics/Combat Element (LCE) Support Services	Manual	Version 2	E-Coded
MEU-LCE-7001	Provide Combat Service Support	MEU	New	Yes
LOG-SVC-7006	Conduct Services Operations	Logistics	NAVMC 3500.27 (Draft Version 25 Oct 2010)	
LEO-LO-6001	Conduct a Law Enforcement Patrol	Military Police	NAVMC 3500.10A (March 2010)	
LEO-LO-6003	Conduct Limited Detainee/EPW Operations	Military Police	NAVMC 3500.10A (March 2010)	
MPOF-ISO-3014	Establish a Forward EPW Collection Point	Military Police	NAVMC 3500.10 - 24 July 2007	Yes
MET 37	MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations	Manual	Version 2	E-Coded
EOD-ADMIN-4002	Provide Full Spectrum EOD Direct and General Support	EOD	NAVMC 3500.66A (July 2010)	Yes

Aviation Combat Element (ACE)

MET 27	MCT 1.3.3 Conduct Aviation Operations	Manual	Version 2	E-Coded
MEU-AOPS-7001	Conduct Airborne Command and Control	MEU	New	Yes
MEU-AOPS-7002	Conduct Expeditionary Sea-Based Operations	MEU	New	Yes
MEU-AOPS-7003	Conduct Expeditionary Shore-Based Operations	MEU	New	Yes
MEU-AOPS-7004	Conduct Forward Arming/Dearming Refueling Point (FARP) Operations	MEU	New	
MET 28	MCT 1.3.4 Conduct Assault Support Operations	Manual	Version 2	E-Coded
MEU-ASLT-7001	Conduct Tactical Recovery of Aircraft and Personnel (TRAP)	MEU	New	Yes

MEU-ASLT-7002	Conduct Aerial Insertion/Extraction (AIE)/Helicopter Insertion Extraction (HIE)	MEU	New	Yes
MEU-ASLT-7003	Conduct External Loads	MEU	New	Yes
MEU-ASLT-7004	Conduct Aerial Delivery	MEU	New	
MEU-ASLT-7005	Conduct Aerial Evacuation	MEU	New	
MEU-ASLT-7006	Conduct Sniper Operations	MEU	New	
MEU-ASLT-7007	Conduct Aerial Escort (AESC)	MEU	New	
MEU-ASLT-7008	Conduct Battlefield Illumination	MEU	New	
MEU-29	MCT 2-2-5-2 Conduct Air Reconnaissance	Manual	Version	E-Coded
MEU-REC-7001	Conduct Multisensor Imagery Reconnaissance (MIR)	MEU	New	Yes
MEU-REC-7002	Conduct Unmanned Aerial System Operations (UAS)	MEU	New	
MEU-30	MCT 2-2-3 Conduct Aviation Delivered Fires	Manual	Version	E-Coded
MEU-OAS-7001	Conduct Close Air Support (CAS)	MEU	New	Yes
MEU-OAS-7002	Conduct Air Interdiction (AI)	MEU	New	
MEU-OAS-7003	Conduct Armed Reconnaissance (AR)	MEU	New	
MEU-OAS-7004	Conduct Forward Air Controller (Airborne) [FAC (A)]	MEU	New	
MEU-OAS-7005	Conduct Strike Coordination and Reconnaissance (SCAR)	MEU	New	
MEU-31	MCT 5-3-5 Control Aircraft and Missiles	Manual	Version	E-Coded
MEU-CAM-7001	Conduct Tactical Air Controller (Airborne) [TAC (A)]	MEU	New	
MEU-CAM-7002	Provide Surface-to-Air Weapons Fires	MEU	New	
MEU-32	MCT 6-1-1-7 Conduct Anti-Air Warfare (Air Defense)	Manual	Version	E-Coded
MEU-AAW-7001	Conduct Air Combat Maneuvering	MEU	New	Yes
MEU-AAW-7002	Conduct Defensive Air Combat Maneuvering	MEU	New	
MEU-CAM-7002	Provide Surface-to-Air Weapons Fires	MEU	New	

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CHAPTER 3

3000-LEVEL COLLECTIVE EVENTS

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CHAPTER 3

3000-LEVEL COLLECTIVE EVENTS

3000. PURPOSE. This chapter includes all collective events. A collective event is an event that an established unit would perform in combat. A number of these events are linked to a Service-Level Mission Essential Task (MET). This linkage tailor's collective and individual training for the selected MET. Each collective event is composed of component events that provide the major actions required. This may be likely actions, list of functions, or procedures. Accomplishment and proficiency level required of component events are determined by the event standard.

3001. EVENT CODING. Collective events are depicted using an up to 12-digit alphanumeric system (i.e. MEU-VBSS-5002) divided into three fields of up to 4 digits. This chapter utilizes the following methodology:

- a. Field One - Each event in this chapter begins with the Community/MOS in which the skill is intended to be performed.
- b. Field Two - This field abbreviates the functional area.
- c. Field Three - This field provides the level (i.e. 3000, 4000, 5000, 6000, 7000 or 8000): The last three digits of this field is the sequence.

3002. ADMINISTRATIVE NOTES

1. As applicable, events contain a paragraph that describes internal and external Support Requirements the unit and Marines will need to complete the event. Ranges/Training Areas are described in this section using plain-language description. They are also described using the Range/Facility Codes that identify the type of range and/or training area needed to accomplish the Event. Marines can use the codes to find information about available ranges at their geographic location by using the web-based Range/Training Area Management System (see TECOM website). The intent of the Range/Training Area Code (RTAC) is to facilitate range utilization by identifying those events that can be accomplished at each range. Additionally, usage of the RTAC supports readiness reporting by identifying events that cannot be accomplished at certain locations due to a lack of suitable ranges.
2. Every effort is being made to make the T&R Manual system generic. To that end, the term "Service Rifle/Carbine" refers to the current version of Service Rifle fielded in the operating forces and formal schools.

3003. INDEX OF COLLECTIVE EVENTS

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3004. 3000-LEVEL EVENTS

CMO-PLEX-3801: Support in the execution of Populace and Resources Control (PRC) Operations

SUPPORTED MET(S): 1, 2, 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: PRC assists Host Nation (HN) governments or de facto authorities in retaining control over their population centers, thus precluding complicating problems that may hinder mission accomplishment. The PRC measures seek to identify, reduce, relocate, or access population resources that may impede or otherwise threaten success. Populace control provides for security of the populace, mobilization of human resources, denial of personnel availability to the enemy, and detection and reduced effectiveness of enemy agents. Resources control regulates the movement or consumption of materiel resources, mobilizes materiel resources, and denies materiel to the enemy.

CONDITION: Given a mission, and commander's intent.

STANDARD: In order to minimize civilian interference with military operations and to ensure the commander meets the moral and legal obligations to the civilian populace.

EVENT COMPONENTS:

1. Participate in the execution of selected PRC operations and activities, (as needed or directed).
2. Assist in the arbitration of problems arising from the implementation of PRC measures.

3. Identify existing PRC measures. (e.g. medical, transportation, etc)
4. Evaluate effectiveness of existing PRC measures, as required.
5. Advise Commander on PRC measures.
6. Provide recommendations on how to implement PRC measures.
7. Coordinate with Joint Interagency, Intergovernmental, and Multinational (JIIM) agencies.
8. Develop PRC measures for dissemination to the Indigenous Population and Institutions (IPI).
9. Develop measures of effectiveness.

CMO-PLEX-3802: Support in the execution of Foreign Humanitarian Assistance (FHA)

SUPPORTED MET(S): 1, 2, 4

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: FHA consists of DOD activities, normally in support of the United States Agency for International Development (USAID) or Department of State (DOS), conducted outside the United States, its territories, and possessions to relieve or reduce human suffering, disease, hunger, or privation.

CONDITION: Given a mission, commander's intent and problem framing analysis.

STANDARD: To relieve or reduce the results of natural or manmade disasters or endemic conditions that might present a serious threat to life or that can result in great damage to or loss of property.

EVENT COMPONENTS:

1. Conduct civil reconnaissance to determine scope of problem.
2. Coordinate with joint, interagency, intergovernmental, and multinational organizations.
3. Identify available assets.
4. Identify available resources.
5. Recommend COAs.
6. Identify MOEs.
7. Support FHA operations.
8. Assess MOEs.
9. Transition to follow-on organizations.

CMO-PLEX-3803: Conduct Nation Assistance (NA)

SUPPORTED MET(S): 1, 2, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Nation assistance is civil or military assistance (other than FHA) rendered to a nation by US forces within that nation's territory during peacetime, crises or emergencies, or war, based on agreements mutually

concluded between the US and that nation. Nation assistance programs often include, but are not limited to, security assistance, foreign internal defense, and humanitarian and civic assistance (HCA). NA performed by MAGTF forces takes the form of US military to foreign military training and HCA events, such as medical, dental, or engineering-related projects in conjunction with military operations and exercises.

CONDITION: Given mission, commander's intent and problem framing analysis.

STANDARD: To meet the mission requirements, commanders intent and to support the building of partnership capacity.

EVENT COMPONENTS:

1. Ensure mission complies with NA regulations, laws and directives.
 2. Conduct civil reconnaissance to determine scope of problem. (as required)
 3. Coordinate with joint, interagency, intergovernmental, and multinational organizations.
 4. Identify existing local capacity.
 5. Identify existing local standards.
 6. Identify available assets and resources.
 7. Recommend COA refinements. (As required)
 8. Support NA operations.
 9. Provide civil information. (As required)
 10. Transition to follow-on organizations.
-

CMO-PLEX-3804: Conduct Civil Information Management

SUPPORTED MET(S): 1, 2, 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Civil Information Management (CIM) at its essence is a discipline of information management comprised of people, process and technology. Civil information managers and other MAGTF planners leverage the process of Planning, Collection, Consolidation, Assessment, Production, and sharing of civil information with technology to support the visualization and understanding of the civil environment to the commander's decision making process. Coordination ensures the timely availability of relevant, actionable civil information for analysis and the widest possible dissemination of raw and analyzed civil information to the MAGTF and all stakeholders throughout the AO.

CONDITION: Given mission, commander's intent and problem framing analysis.

STANDARD: Ensuring the timely availability of civil information for analysis and the widest possible dissemination of raw and analyzed civil information to the MAGTF and all stakeholders throughout the AO.

EVENT COMPONENTS:

1. Identify information requirements.
2. Establish Collection plan.
3. Conduct civil reconnaissance (CR) utilizing all available sources.

4. Consolidate all civil information.
 5. Develop the civil components of the common operational picture (COP).
 6. Analyze civil information.
 7. Disseminate civil information.
-

CMO-PLEX-3806: Support civil support operations

SUPPORTED MET(S): 1, 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: When directed, civil support encompasses domestic short-range programs alleviating human suffering. Civil support is usually conducted in response to natural or man-made disasters, or civil disorder which may take the form of disaster relief or dislocated civilian assistance. Civil support is designed to supplement or complement the efforts of local authorities or agencies, which have primary responsibility for providing relief.

CONDITION: Given mission, commander's intent and Problem framing analysis.

STANDARD: To relieve or reduce the results of natural or manmade disasters or endemic conditions that might present a serious threat to life or that can result in great damage to or loss of property.

EVENT COMPONENTS:

1. Conduct civil reconnaissance to determine scope of problem.
 2. Coordinate with joint, federal, state, and local agencies.
 3. Identify available assets and resources.
 4. Recommend COAs.
 5. Identify MOEs.
 6. Support civil support operations.
 7. Assess MOEs.
 8. Transition to follow-on organizations.
-

CMO-PLEX-3809: Operate a Civil Military Operations Center (CMOC)

SUPPORTED MET(S): 1, 2, 3, 4, 5, 6, 7

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The MAGTF may establish a task-organized CMOC to assist in the coordination of activities of engaged military forces with other USG agencies, NGOs, IGOs, local governmental leaders, and civilian populations.

CONDITION: Given a mission, commanders intent, MCWP 3-33.1_, MCRP 3-33.1_, SOPs, interpreters (as needed), and security support.

STANDARD: To meet commanders intent and to ensure that coordination with the Country Team, IGOs, NGOs, and IPIs, host nation's governmental and public organizations is initiated, recorded, and disseminated.

EVENT COMPONENTS:

1. Provide agency point of contact, agency capability list, information summaries, population density, demographic, and DC overlays, which might be posted on a public information board.
 2. Establish CMOC.
 3. Provide USG interagency partners, IGOs, and NGOs with a single, accessible POC for CMO.
 4. Facilitate collaborative civil-military efforts with joint and coalition forces, UN, HN, and other nonmilitary agencies.
 5. Support in the transfer of authority and/or transition of operations from the MAGTF to DOS, UN, NATO, HN, or other nonmilitary agency control.
 6. Coordinate all civilian support requests, from the MAGTF and other US military forces.
-

CMO-PLEX-3810: Conduct Humanitarian and Civic Assistance Operations (HCA)

SUPPORTED MET(S): 1, 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: United States Code, Title 10, permits US military forces to carry out HCA projects and activities in conjunction with military operations overseas. DODI 2205.2, Humanitarian and Civic Assistance (HCA) Activities, establishes policy and assigns responsibilities of DOD components. Military deployments for exercises and training are an integral part of maintaining a forward US military presence, ensuring operational readiness to respond to crises, and preparing US RCs for wartime missions. HCA programs may include: 1. Medical, dental, and veterinary care provided in rural or underserved areas of a country. 2. Construction of rudimentary surface transportation system. 3. Well drilling and construction of basic sanitation facilities. 4. Rudimentary construction and repair of public facilities.

CONDITION: Given mission, commander's intent and problem framing analysis.

STANDARD: In order to promote the security interests of both the United States and foreign country, operational readiness skills of the US forces, which complements, but does not duplicate, any other US assistance and serves the basic economic and social needs of the host nation's populace.

EVENT COMPONENTS:

1. Ensure mission complies with HCA regulations, laws and directives.
 2. Conduct civil reconnaissance to determine scope of problem.
 3. Coordinate with joint, interagency, intergovernmental, and multinational organizations.
 4. Identify existing local standards.
 5. Recommend COA refinements. (As required)
 6. Identify assets and resources available.
 7. Support FHA operations.
 8. Provide civil information. (As required)
 9. Transition to follow-on organizations.
-

CMO-PLEX-3811: Transition of CMO to follow on authority

SUPPORTED MET(S): 1, 2, 3, 4, 5, 6, 7

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Transition operations involve termination of activity or task, and transfer of activity or task to the appropriate authority.

CONDITION: Given mission, commander's intent with a defined end state for current operations.

STANDARD: In order to identify when an incoming organization will assume control of each specific task or activity and to successfully redeploy for follow on missions.

EVENT COMPONENTS:

1. Create milestones or criteria.
 2. Ensure incoming organization has been validated by higher headquarters.
 3. Orient the incoming organization.
 4. Transfer authority.
-

INF-MAN-3102: Breach an obstacle (D)

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a breaching element operating as part of a larger force and equipped with the proper tools and demolition to conduct a breach.

STANDARD: To support the scheme of maneuver.

EVENT COMPONENTS:

1. Conduct a ballistic breach.
2. Conduct a mechanical breach.
3. Conduct an explosive breach.

RELATED EVENTS:

0351-DEMO-2212	0351-DEMO-2203	INF-MAN-4102
0351-DEMO-1211	0351-DEMO-1212	

REFERENCES:

1. FM 5-250 Explosives and Demolitions
2. MCWP 3-11.2 Marine Rifle Squad
3. MCWP 3-17.3 MAGTF Breaching Operations
4. MCWP 3-35.3 Military Operations on Urbanized Terrain (MOUT)
5. TM 9-1375-213-12 Demolition Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17830 Light Demolition Range

EQUIPMENT: Mechanical breaching kit (grappling hook, sledge hammer, halligan tool, etc.).

OTHER SUPPORT REQUIREMENTS: 1. Appropriate demolition range (if ammunition is used). 2. Live fire and maneuver range.

MCMT-MAIN-3002: Maintain motor transport equipment

SUPPORTED MET(S): 1, 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with motor transport equipment and resources.

STANDARD: To an operational readiness status.

EVENT COMPONENTS:

1. Conduct crew/ operator maintenance.
2. Provide maintenance support teams.
3. Provide maintenance contact teams.
4. Establish external maintenance related programs.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. ASL-3 Applicable Stock Listing -3
5. ATI Applicable Technical Instruction
6. MCO 5311.1 Total Force Structure Process (TFSP)
7. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
8. MCO P4790.1 MIMMS Introduction Manual
9. MCO P4790.2 MIMMS Field Procedures Manual
10. MCWP 4-11.4 Maintenance Operations
11. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transport Equipment

SUPPORT REQUIREMENTS:

OTHER SUPPORT REQUIREMENTS: Contract Logistics Support

MCMT-MAIN-3003: Perform maintenance on recovered equipment

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given appropriate equipment and the basic issue items.

STANDARD: To restore equipment to mission capable status without injury to personnel or further damage to equipment.

EVENT COMPONENTS:

1. Change Logistics Vehicle System wheel and tire assembly.
2. Perform PMCS on tactical wrecker, auxiliary tools and equipment.
3. Perform field expedient repairs.
4. Cut metal with oxygen acetylene torch.

CHAINED EVENTS:

3510-MAIN-2302	3531-OPER-2211	3534-OPER-2003
3536-OPER-2001	3536-OPER-2002	3537-MAIN-2201

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
5. MCO P4790.2 MIMMS Field Procedures Manual
6. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
7. MCWP 4-11.4 Maintenance Operations

MCMT-OPER-3004: Conduct convoy operations

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given vehicles, personnel, required tools and equipment.

STANDARD: Arrive at a determined location with all required equipment and personnel.

EVENT COMPONENTS:

1. Conduct a debrief.
2. Prepare a convoy commander's after action report.
3. Analyze the operation order.
4. Draft a movement order.
5. Identify classifications for routes.
6. Conduct a convoy commander's brief.
7. Identify defense requirements of a tactical convoy.
8. Identify convoy communication requirements.
9. Perform land navigation.
10. Organize the convoy in march order.

CHAINED EVENTS:

3510-OPER-2401	3531-OPER-2205	3531-OPER-2210
3531-OPER-2213	3531-OPER-2214	3531-OPER-2215
3533-OPER-2001	3533-OPER-2003	3533-OPER-2002

3537-OPER-2302 3537-OPER-2306 3537-OPER-2308
3537-OPER-2312

REFERENCES:

1. FM 55-30 Army Motor Transport Units and Operations
 2. MCRP 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
 3. MCRP 4-11.3F Convoy Operations Handbook
 4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 5. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 6. MCWP 3-17.1 River-Crossing Operations
 7. MCWP 4-1 Logistics Operations
 8. MCWP 4-11 Tactical-Level Logistics
 9. MCWP 4-11.3 Transportation Operations
 10. MCWP 5-1 Marine Corps Planning Process (MCPPE)
 11. MSTP PAM 4-0.1 Movement Control
 12. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 13. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
 14. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 15. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
-

MCMT-OPER-3005: Conduct recovery operations

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given appropriate equipment and the basic issue items.

STANDARD: By moving the disabled vehicle to a designated location without injury to personnel or further damage to equipment.

EVENT COMPONENTS:

1. Operate tactical wrecker off road.
2. Operate tactical wrecker on road.
3. Complete crane inspection checklist.
4. Operate tactical wrecker in unusual conditions.
5. Recover vehicle by lift tow.
6. Recover vehicle by flat tow.
7. Recover vehicle with winches.
8. Operate auxiliary tools on tactical wrecker.
9. Perform coupling procedures.
10. Inventory/PMCS basic issue items.
11. Recover vehicle by using block and tackle.

CHAINED EVENTS:

3510-OPER-2404 3510-OPER-2405 3510-OPER-2406

3536-OPER-2001	3536-OPER-2002	3536-OPER-2003
3536-OPER-2004	3536-OPER-2005	3536-OPER-2006
3536-OPER-2007	3537-OPER-2309	3537-OPER-2311

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 5-125 Rigging Techniques, Procedures and Applications
 4. MCRP 4-11.3F Convoy Operations Handbook
 5. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 6. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
-

MCMT-OPER-3006: Conduct movement control

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a requirement, personnel and equipment for vehicle movements, automated informational system.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

EVENT COMPONENTS:

1. Process scheduling requirements
2. Determine movement control factors
3. Establish movement control planning process
4. Process routing requirements

CHAINED EVENTS:

3510-OPER-2402	3510-OPER-2406	3510-OPER-2408
3531-OPER-2208	3537-OPER-2304	3537-OPER-2305
3537-OPER-2307		

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
 2. MCRP 4-11.3F Convoy Operations Handbook
 3. MCWP 4-11.3 Transportation Operations
 4. MSTP PAM 4-0.1 Movement Control
-

MCMT-OPER-3008: Conduct refueling operations

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with the requirement, equipment and personnel.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

EVENT COMPONENTS:

1. Re-circulate semi-trailer refueler.
2. Obtain fuel sample for testing.
3. Refuel ground equipment.
4. Troubleshoot semi-trailer refueler.
5. Perform emergency shutdown procedures.
6. Maintain fuel logbook.
7. Refuel aircraft.
8. Operate semi-trailer refueler on road.
9. Operate semi-trailer refueler off road.
10. Operate semi-trailer refueler under unusual conditions.
11. Operate semi-trailer refueler in administrative conditions.
12. Operate semi-trailer refueler under limited vision conditions.
13. Conduct de-fueling operations.
14. Perform semi-trailer coupling procedures.
15. Transport hazardous cargo.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
 2. FM 55-30 Army Motor Transport Units and Operations
 3. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual (Obsolete - replaced by NAVMC DIR 5100.8)
 4. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
 5. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
 6. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 7. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
 8. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
-

MPOF-ISO-3014: Establish a forward EPW collection point

SUPPORTED MET(S): 4

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This event determines the participant's ability to properly establish a forward enemy collection point. A forward collection point must be mobile and modular and able to set up, expand, and move quickly with little or no notice. Forward collection point's areas are for receiving detainees directly from the capturing unit.

CONDITION: In a combat environment, without the aid of references, given, an appropriate operations order, detainees to process, a requirement to establish a forward EPW collection point, SL-3 complete HMMWV with communication and medium to heavy machinegun, a map and compass, with a combat load.

STANDARD: Establish security, process and secure the captives, and prepare them for evacuation to a central collecting point or holding area. Receive

detainees as far forward as possible to prevent maneuvering units of being burdened providing security on the detainees. Field process detainees using the five S's and T method. Search, Silence, Segregate, Speed, Safeguard and Tag in accordance with the reference.

PREREQUISITE EVENTS:

5811-ISO-1045 MPOF-ISO-3012 5811-ISO-2019
5811-ISO-2018 MPOF-ISO-3013

REFERENCES:

1. DODD 2310.1 DOD Enemy POW Detainee Program
2. FM 3-19.40 Internment/Resettlement Operations
3. MCRP 4-11.8C Enemy Prisoners of War and Civilian Internees
4. MCRP 4-27 EPW Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17961 Combat In Cities Facility
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17904 Prisoner Of War Training Area

EQUIPMENT: with a combat load.

UNITS/PERSONNEL: Role player(s)

ORDM-CSSO-3007: Employ maintenance contact teams

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Employ task organized contact to conduct on site repairs.

CONDITION: Provided necessary maintenance resources (equipment and personnel) and forward located ordnance equipment.

STANDARD: Repair forward located ordnance equipment to a satisfactory operating level.

EVENT COMPONENTS:

1. Identify required resources.
2. Make liaison with supported unit, HHQ Intel, and Operations sections.
3. Assess situation.
4. Form contact teams based on mission.
5. Establish and maintain communications.
6. Submit AAR.
7. Plan route (to and from).
8. Request external support requirements.
9. Conduct movement to and from site.
10. Maintain security and control during all movements.

11. Perform required maintenance actions or recovery.
-

ORDM-CSSO-3008: Conduct recovery of ordnance weapons systems and equipment

SUPPORTED MET(S): 1

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Conduct battle damage assessment and repair or recovery of weapon systems and equipment.

CONDITION: Provided required recovery assets and a variety of forward located ordnance equipment.

STANDARD: Ensure that ordnance weapons systems and equipment are recovered, in order to enable the repair and return of serviceable ordnance assets to forward elements.

EVENT COMPONENTS:

1. Identify required equipment and personnel.
 2. Operate recovery equipment.
 3. Establish collection points.
 4. Provide necessary documentation to equipment owner.
 5. Assess the situation.
 6. Conduct route reconnaissance.
 7. Establish communications with supported units.
 8. Establish communications with recovery teams.
 9. Conduct battle damage assessment.
 10. Conduct repair.
-

SCPF-INTL-3701: Conduct Sensitive Site Exploitation (SSE)

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 18 months

DESCRIPTION: Will be conducted if required by mission analysis. This event is intended to provide basic SSE capability.

CONDITION: Given a sensitive site.

STANDARD: To gather sensitive information to support mission accomplishment and commander's intent.

EVENT COMPONENTS:

1. Assemble a Site Exploitation (SE) Kit
2. Determine sensitivity of site contents.
3. Conduct systematic search.
4. Document findings.
5. Use Tactical Questioning (TQ) to complete details for evidence

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collection.

6. Transport items and report debrief to higher IAW current local requirements.

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CHAPTER 4

4000-LEVEL COLLECTIVE EVENTS

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CHAPTER 4

4000-LEVEL COLLECTIVE EVENTS

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4001. 4000-LEVEL EVENTS

EOD-ADMN-4002: Provide full spectrum EOD direct and general support

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: An EOD Section supports a Battalion size element, Marine Expeditionary (MEU), Marine Aircraft Group (MAG), Forward Operating Base (FOB), multiple Forward Arming and Refueling Points (FARP), and/or Marine Corps Base or Station.

CONDITION: Given a mission.

STANDARD: Ensuring 24 hour support is maintained.

EVENT COMPONENTS:

1. Analyze mission.
2. Review Ordnance Order of Battle.
3. Task organize EOD personnel and equipment.

CHAINED EVENTS:

EOD-INTL-3401 EOD-INTL-4201 EOD-NEUT-3501
EOD-NEUT-3502

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

FMS-FP-4012: Perform dental care

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 1 month

DESCRIPTION: The Aid Station will perform routine, emergency dental care and airway management.

CONDITION: Given a mission, on-hand dental personnel, dental equipment and supplies.

STANDARD: Emergency dental care and airway management provided to casualties and dental readiness of 95% or greater of personnel maintained.

EVENT COMPONENTS:

1. Assist in triage.
2. Provide emergency airway management.
3. Identify casualties that require airway management.
4. Identify personnel requiring routine dental care.
5. Provide emergency dental care.
6. Report dental readiness.

REFERENCES:

1. BUMEDINST 6600 Dental Health Care
2. MCO 6600.3 Dental Health Care Program
3. NAVMED P-117 Manual of the Medical Department

SUPPORT REQUIREMENTS:

EQUIPMENT: ADALs

FMS-FP-4014: Perform immunization

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Aid station performs required immunizations.

CONDITION: Annually or for a given mission, immunization records and available personnel.

STANDARD: Identified personnel will receive required immunizations.

EVENT COMPONENTS:

1. Provide emergency equipment and medications.
2. Acquire immunizations.
3. Train personnel in use of reporting programs.
4. Perform immunizations and document in record and reporting program.
5. Provide reports as required.
6. Perform a comprehensive record review.

7. Ensure personnel have appropriate training to provide immunizations (Smallpox, etc.).

RELATED EVENTS: FMSO-PLAN-1601 FMSO-FP-1605

REFERENCES:

1. BUMEDINST 6230.15 Immunizations and Chemoprophylaxis
2. MCDP-5 Planning
3. MCWP 4-11.1 Health Service Support Operations

SUPPORT REQUIREMENTS:

ROOMS/BUILDINGS: Space for immunizations.

EQUIPMENT: Hypodermic syringes and needles. Training aids. Emergency medications and equipment.

MATERIAL: Immunizations.

FMS-HSS-4003: Provide Level I HSS

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The Aid Station will perform routine and emergency medical/dental care during an operation.

CONDITION: Given a mission, available personnel and supplies.

STANDARD: Ensure injuries are assessed and identified. Appropriate level I care is performed, decreasing the risk of further injury or death.

EVENT COMPONENTS:

1. Perform sick call and basic first aid.
2. Perform emergency dental care.
3. Perform emergency life saving procedures.

RELATED EVENTS:

FMST-HSS-1416	FMST-HSS-2405	FMST-HSS-1414
FMST-HSS-1413	FMST-HSS-1412	FMST-HSS-1411
FMST-HSS-1410	FMST-HSS-1409	FMST-HSS-1408
FMST-HSS-1407	FMST-HSS-1406	FMST-HSS-1405
FMST-HSS-1404	FMST-HSS-1401	FMSO-HSS-2809
FMST-HSS-1403	FMST-HSS-1402	FMSO-HSS-2808
FMSO-HSS-2807	FMSO-HSS-2806	FMSO-HSS-2805
FMSO-HSS-2804	FMSO-HSS-2803	FMSO-HSS-2802
FMSO-HSS-2801	FMSO-HSS-1410	FMSO-HSS-1409
FMSO-HSS-1408	FMSO-HSS-1407	FMSO-HSS-1406
FMSO-HSS-1405	FMSO-HSS-1404	FMSO-HSS-1403
FMSO-HSS-1402	FMSO-HSS-1401	FMST-HSS-1422
FMST-HSS-1421	FMST-HSS-1420	FMST-HSS-1419

FMST-HSS-1418 FMST-HSS-1415

REFERENCES:

1. MCWP 4-11.1 Health Service Support Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17413 Field Training Area

EQUIPMENT: AMAL/ADALS

INF-INT-4711: Conduct Tactical Site Exploitation (TSE) (D)

SUPPORTED MET(S): 1, 2, 3, 4, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

CONDITION: While operating as a squad or serving as the search element participating in larger operations.

STANDARD: To obtain sensitive intelligence information to support mission accomplishment and commander's intent.

EVENT COMPONENTS:

1. Conduct systemic search of an area, building, room, or vehicle.
2. Use PSD; Photographs, Statements, Diagrams to document all "finds" where and how items are found.
3. Collect all "finds" using best practices to minimize damage to evidentiary/intelligence value.
4. Consolidate all items after documenting where/how found.
5. Use Tactical Questioning (TQ) to complete details for evidence collection.
6. Ensure Site Exploitation (SE) minimizes damage for maximum intelligence and evidence value and method is appropriate to gain/maintain support and cooperation of occupants and other local civilians.
7. Effectively use SE kit as available (gloves, paper and plastic bags, tags, explosive residue kit, finger-print kit, biometric systems, etc.).
8. Ensure SE is prioritized and efficient to minimize time in the objective as appropriate.
9. Transport items and report debrief to higher IAW current local requirements (timelines, detainee paperwork, evidentiary rules) and to maximize intelligence/evidence value.
10. Document all "finds" using proper chain of custody and inventory documentation.

REFERENCES:

1. CALL 07-26 Tactical Site Exploitation and Cache Search Operations
 2. ISBN: 9780160800863 USMC Site Exploitation: Evidence Collection - training support package
 3. MCRP 3-31.4B Multi-service Tactics, Techniques, and Procedures for Cordon and Search Operations
-

LOG-EXCU-4302: Conduct Amphibious Embarkation

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given deployment data, internet connectivity, ship load-planning AIS.

STANDARD: To ensure 100% accountability IAW BALS.

EVENT COMPONENTS:

1. Ensure team load plans are provided to the ships.
2. Ensure team load plans are approved by appropriate ship CO.
3. Provide input for the Berthing and Loading Schedule (BALS).
4. Coordinate LFSP functions.
5. Monitor loading.
6. Publish Organization for Embarkation & Assignment to Shipping (OE&AS).
7. Assign embarkation teams.
8. Assist teams in load plan preparations.

REFERENCES:

1. CFR 49 Code of Federal Regulations - Hazardous Materials
 2. CFR 49 PARTS 100-185 Code of Federal Regulations - Transportation
 3. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
 4. MCO P4030.19 Preparing Hazardous Materials for Military Air Shipments
 5. MCO P4600.14 Transportation Fac Guide Vol 4
 6. MCO P4600.7 USMC Transportation Manual
 7. MCWP 4-1 Logistics Operations
 8. MCWP 4-11 Tactical-Level Logistics
 9. MCWP 4-11.3 Transportation Operations
-

MEU-LCE-4001: Provide military police support

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given commanders intent, requirements, military police personnel, and equipment

STANDARD: Per MCWP 3-34.1 Military Police Operations Chapter 2 Military Police Personnel.

EVENT COMPONENTS:

1. Provide MP support.
2. Conduct nonlethal weapons (NLW) training and employment.
3. Provide mission assurance planning and assessments.
4. Conduct criminal investigations.
5. Conduct Route Reconnaissance.
6. Conduct Route Security.
7. Conduct combat logistics patrols.

8. Conduct accident investigations.
9. Provide physical security.
10. Conduct limited detainee operations.
11. Support limited detainee operations afloat.
12. Conduct Law and Order operations.
13. Conduct tactical site exploitation.

REFERENCES:

1. FM 41-10 Civil Affairs Operations
2. FMFM 7-10 Domestic Support Operations
3. JP 3-57.1 Joint Doctrine for Civil Affairs
4. MCO 3120.9 Policy for Marine Expeditionary Unit
5. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
6. MCWP 3-15.8 Multi-service Procedures for the Tactical Employment of Non-lethal Weapons
7. MCWP 3-33.1 MAGTF Civil Military Operations
8. MCWP 3-34.1 Military Police In Support of the MAGTF
9. OH 1-24 Expeditionary Forces Conducting Humanitarian Assistance Operations
10. SPHERE Project Humanitarian Charter and Minimum Standards in Disaster Response Handbook, dtd 2004
11. USAID FOG U.S. Agency for International Development (USAID) Field Operations Guide (FOG) for Disaster Assessment and Response - Version 4.0 (Sep 05)

SUPPORT REQUIREMENTS:

OTHER SUPPORT REQUIREMENTS: An operations cell, mission-essential equipment and task-organized personnel.

MEU T&R MANUAL

CHAPTER 5

5000-LEVEL COLLECTIVE EVENTS

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MEU T&R MANUAL

CHAPTER 5

5000-LEVEL COLLECTIVE EVENTS

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5001. 5000-LEVEL EVENTS

0321-AMPH-5001: Conduct Amphibious Reconnaissance

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a reconnaissance platoon, organic equipment, resources sufficient to sustain 96 hours of continuous operations, an appropriate situation and mission.

STANDARD: Provide detailed information in support of commander's specific information requirements and the collection plan.

EVENT COMPONENTS:

1. Conduct insertion into Reconnaissance Area of Operations (RAO).
2. Execute actions within the RAO. This includes, but is not limited to hydrographic, surf, beach reconnaissance tasks. Additional tasks may also include Initial Terminal Guidance and riverine reconnaissance.
3. Plan and prepare for an amphibious reconnaissance mission.
4. Employ surface or subsurface movement techniques to and within the RAO.
5. Conduct extract or exfiltration / re-entry of friendly lines.
6. Conduct post-mission priorities of work (patrol reports/debriefs submitted to higher headquarters).

REFERENCES:

1. COMNAVSURFPAC/COMNAVSURFLANT INSTR 3480.1B Joint Surf Manual
2. FM 3-05.212 Special Forces Waterborne Operations
3. FM 3-55.93 Long Range Surveillance Operations
4. MCRP 3-14.1A Reconnaissance Platoon
5. MCWP 2-2 MAGTF Intelligence Collection
6. OPNAVINSTRUCTION 1500.75 High Risk Training Order

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17440 Personnel/Equipment Drop Zone
Facility Code 17411 Maneuver/Training Area, Amphibious Forces
Facility Code 17410 Maneuver/Training Area, Light Forces

UNITS/PERSONNEL: 1. Support personnel as required by local range regulations. 2. HHQ element with necessary support personnel and equipment to receive collected information. 3. Aviation, Surface or Sub-surface craft and equipment to support amphibious operations.

0321-C2-5001: Conduct Platoon Reconnaissance Operations Center (ROC) Operations

SUPPORTED MET(S): 1

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given vehicles with mounted radios and crew-served weapons, a task organized platoon-level staff, required attachments from external commands, all required C4I-related infrastructure and equipment, a situation and suitable terrain.

STANDARD: Facilitate command and control, as well as facilitate information processing and exchange between employed reconnaissance teams and higher/adjacent/supported agencies appropriate to METT-TSL, commander's intent and unit SOPs.

EVENT COMPONENTS:

1. Plan and prepare for command post operations.
2. Conduct a review of Unit ROC SOP.
3. Inspect comm-elec equipment, and other organizational equipment and furniture.
4. Establish Command Post.
5. Conduct Marine Corps Planning Process.
6. Facilitate intelligence support to subordinate elements, including the submission of support requests for imagery, maps, ISR, and other Intel support. Assist in the development of a collection plan in order to support the HHQ/supported-unit(s) scheme of maneuver.
7. Conduct Fire Support Planning and Coordination.
8. Conduct Operational Security.
9. Provide communications support to subordinate elements.
10. Conduct sustained command/control functions, utilizing ROC watch schedules and assigned assets.
11. Conduct battle drills, including the systematic receipt of information from subordinate elements and the steps required at each level to react to/exploit the situation (e.g. Unit Situation Reports; Contact Reports; etc).
12. Maintain and update situational maps via electronic systems and wall maps as necessary.
13. Maintain and update information on operations, intelligence, and communications contingency boards displayed in ROC.
14. Integrate with HHQ, FSC, Current Operations, Future Operations and other supported agency planning efforts in support of current and future missions.
15. Facilitate tactical logistics support to subordinate elements, to include establishment of caches and resupply bundles in support of team operations.

REFERENCES:

1. FMFM 3-1 Command and Staff Action

2. FMFM 6-3 Marine Infantry Battalion
3. MCRP 2-25A Reconnaissance Reports Guide
4. MCRP 3-11.1A Commander's Tactical Handbook
5. MCWP 3-1 Ground Combat Operations
6. MCWP 3-16 Fire Support Coordination in the Ground Combat Element
7. MCWP 3-40.3 MAGTF Communications System, 8 January 2010
8. MCWP 5-1 Marine Corps Planning Process (MCPPE)
9. Applicable Technical Manuals
10. Local Range Regulations
11. Unit Standard Operating Procedures (SOP)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17410 Maneuver/Training Area, Light Forces

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. ROC facilities can be simulated using the Combined Arms Staff Trainer (CAST) facility. 2. Appropriate Range Safety and Medical personnel may be required.

0321-OFF-5001: Conduct a Raid

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a unit, a mission, commander's intent, fighting load, with any of the following: wheeled vehicle transportation, small boats, helicopters, or mechanized transportation.

STANDARD: To support the scheme of maneuver.

EVENT COMPONENTS:

1. Conduct BAMCIS.
2. Assign each element a withdrawal plan.
3. Conduct movement to the ORP.
4. Emplace security.
5. Emplace support element.
6. Conduct actions on the objective.
7. On order, the unit withdraws from the objective.
8. Account for all personnel prior to the final withdrawal.
9. Execute withdrawal.

PREREQUISITE EVENTS:

0321-RECN-4002	0321-RECN-4003	0321-RECN-4013
0321-OFF-4001	0321-RECN-4010	0321-RECN-4004
0321-RECN-4005		

CHAINED EVENTS: 0321-OFF-4001

RELATED EVENTS: 0321-OFF-5001

REFERENCES:

1. FMFM 6-4 Marine Rifle Company/Platoon
2. MCWP 3-43.1 Raid Operations

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC Quantity

A059 Cartridge, 5.56mm Ball M855 10/Clip 120/wpn
A063 Cartridge, 5.56mm Tracer M856 Single 20/wpn
A064 Cartridge, 5.56mm 4 Ball M855/1 Tracer 200/wpn
A075 Cartridge, 5.56mm Blank M200 Linked 200/man
A080 Cartridge, 5.56mm Blank M200 Single 60/man
A131 Cartridge, 7.62mm 4 Ball M80/1 Trace 200/wpn
AA12 Cartridge, 9mm FX Red Marking 90/man
AA21 Cartridge, 9mm FX Blue Marking 90/man
B519 Cartridge, 40mm Target Practice M781 2/wpn
B534 Cartridge, 40mm Multiple Projectile 2/wpn
B546 Cartridge, 40mm HEDP M433 2/wpn
C995 Cartridge and Launcher, 84mm M136 AT 2/team
G811 Grenade, Hand Practice Body M69 2/man
G878 Fuse, Hand Grenade Practice M228 2/man
G881 Grenade, Hand Fragmentation M67 2/man
G930 Grenade, Hand Smoke HC AN-M8 2/man
G940 Grenade, Hand Green Smoke M18 4/team
G950 Grenade, Hand Red Smoke M18 2/team
G963 Grenade, Hand Riot CS M7A3 2/team
HA29 Rocket 66mm HE, M72A7, LAW W/GRAZE 2/team
K143 Mine, Antipersonnel M18A1 with M57 F 2/team
L307 Signal, Illumination Ground White St 4/team
L312 Signal, Illumination Ground White St 4/team
L314 Signal, Illumination Ground Green St 4/team
L495 Flare, Surface Trip M49 Series 10/team
L596 Simulator, Artillery Flash M110 5/team
L600 Simulator Booby Trap Whistling M119 w 5/team
M131 Cap, Blasting Non-Electric M7 2/team
M456 Cord, Detonating PETN Type I Class E 200 ft
M670 Fuse, Blasting Time M700 50 ft
M766 Igniter, M60 for Time Blasting Fuse 2/team

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17581 Machine Gun Field Fire Range
Facility Code 17631 Light Antiarmor Weapons Range Live
Facility Code 17670 Mortar Range
Facility Code 17671 Field Artillery Indirect Fire Range
Facility Code 17730 Fire And Movement Range
Facility Code 17936 Close Air Support Range

OTHER SUPPORT REQUIREMENTS: 1. Range must support all platoon weapons and attached weapons, to include dud-producing ordnance and overhead fires. 2.

SESAMS-Conversion Kits (M4/M16/M9/M1911)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: WEAPON AND AMMUNITION (BLANK/SESAMS): Weapon: PyrotechnicsG811 GRENADE, HAND, PRACTICE (BODY) 2/manG878 FUZE, DELAY, F/G811, PRAC GRENADE 2/manG930 GRENADE, HAND, SMOKE, HC, AN-M8 1/manG940 GRENADE, HAND, SMOKE, GREEN, M18 2/teamG948 GRENADE, HAND, SMOKE, YELLOW, M18 2/teamG950 GRENADE, HAND, SMOKE, RED, M18 1/teamK105 MINE, APERS PRACTICE, M8 2/teamL307 SIGNAL, WHITE STAR CLUSTER, M159 2/teamL310 SIGNAL, GREEN STAR PARACHUTE, M159 2/teamL312 SIGNAL, WHITE STAR PARACHUTE, M159 2/teamL314 SIGNAL, GREEN STAR CLUSTER, M159 2/teamL315 SIGNAL, RED STAR CLUSTER, M159 1/teamL495 SIMULATOR, FLASH, BOOBY TRAP 5/teamL600 SIMULATOR, EXPL, BOOBY TRAP 5/team Weapon: M16 Series 5.56mm Service RifleA080 CTG, 5.56MM, BLANK 60/manAA12 CTG, 9MM FX MKG RED 60/manAA21 CTG, 9MM FX MKG BLUE 60/man Weapon: M249 5.56mm Light Machinegun - Squad Automatic WeaponA075 CTG, 5.56MM, BLANK, LINKED 200/man Weapon: M9 9mm PistolAA12 CTG, 9MM FX MKG RED 30/manAA21 CTG, 9MM FX MKG BLUE 30/man WEAPON AND AMMUNITION (LIVE FIRE):Weapon: Pyrotechnics/DemolitionsG930 GRENADE, HAND, SMOKE, HC, AN-M8 1/manG940 GRENADE, HAND, SMOKE, GREEN, M18 2/teamG948 GRENADE, HAND, SMOKE, YELLOW, M18 2/teamG950 GRENADE, HAND, SMOKE, RED, M18 1/teamL307 SIGNAL, WHITE STAR CLUSTER, M159 2/teamL310 SIGNAL, GREEN STAR PARACHUTE, M159 2/teamL312 SIGNAL, WHITE STAR PARACHUTE, M159 2/teamL314 SIGNAL, GREEN STAR CLUSTER, M159 2/teamL315 SIGNAL, RED STAR CLUSTER, M159 1/teamL495 SIMULATOR, FLASH, BOOBY TRAP 5/teamL596 Simulator, artillery flash, M110 5/teamG881 GRENADE, HAND, FRAG, M67 2/manG963 GRENADE, HAND, SMOKE, CS, M7A3 2/teamK013 TRIP WIRE 2/teamK143 MINE, APERS, M18A1, W/ACCES 2/teamM456 DETONATING CORD 200 ftM131 Cap, Blasting non-elec, M7 2/teamM766 Igniter, M60 for time fuse 2/teamM670 Fuse, blasting time, M700 50 ftWeapon: Anti-Tank WeaponC995 ROCKET 83MM AT-4 2/teamHA29 ROCKET 66MM M72A7 LAW 2/team Weapon: M203 40mm grenade launcherB519 CTG, 40MM, PRACTICE, M781 2/wpnB534 CTG, 40mm, APERS 2/wpnB546 CTG, 40MM, HE DP, M433 2/wpnWeapon: M240G 7.62mm medium machinegunA131 CTG, 7.62MM, LINKED 4&1 200/wpnWeapon: M249 5.56mm light machinegun - squad automatic weaponA064 CTG, 5.56MM, 4&1 LINKED, F/SAW 200/wpnWeapon: M16 Series 5.56mm Service RifleA059 CTG, 5.56MM, BALL, M855 60/wpnA063 CTG, 5.56MM, TRACER, M856 20/wpn1. Sustainment requires three iterations per training interval. The above ammunition requirement reflects those amounts required per iteration. 2. Live ammunition is preferred if training facilities are available, but this task can be accomplished to standard with blanks or SESAMS.

SPECIAL PERSONNEL CERTS: Certified range safety and medical personnel are required.

0321-RECN-5001: Conduct Ground Reconnaissance

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: SUPPORTED MET(S): 1, 3, 4

CONDITION: Given a reconnaissance platoon, organic equipment, resources sufficient to sustain 96 hours of continuous operations, an appropriate situation and mission.

STANDARD: Provide detailed information in support of commander's specific information requirements and the collection plan.

EVENT COMPONENTS:

1. Employ mounted or dismounted movement techniques to and within the RAO.
2. Plan and prepare for a ground reconnaissance mission.
3. Conduct insertion into Reconnaissance Area of Operations (RAO).
4. Execute actions within the RAO. This includes, but is not limited to route, area and/or zone reconnaissance tasks. Additional tasks may also include battle damage assessment, terrain, urban, force-oriented, engineer, or electronic reconnaissance, when task organized.
5. Conduct extract or exfiltration/re-entry of friendly lines.
6. Conduct post-mission priorities of work (patrol reports/debriefs submitted to higher headquarters).

REFERENCES:

1. FM 3-55.93 Long Range Surveillance Operations
2. FMFM 6-4 Marine Rifle Company/Platoon
3. MCRP 3-14.1A Reconnaissance Platoon
4. MCWP 2-2 MAGTF Intelligence Collection
5. MCWP 3-11.3 Scouting and Patrolling

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17440 Personnel/Equipment Drop Zone

UNITS/PERSONNEL: 1. Support personnel as required by local range regulations. 2. HHQ element with necessary support personnel and equipment to receive collected information. 3. Vehicles to support mounted operations.

AAV-AMPH-5602: Conduct Waterborne Ship-to-Shore Movement

SUPPORTED MET(S): 3, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 3 months

CONDITION: The Assault Amphibian platoon is embarked aboard amphibious shipping and is in receipt of order to conduct waterborne ship-to-shore movement operations. All necessary unit personnel and equipment are available. The unit has communications with Primary Control Ship, supporting fire agencies, adjacent, and subordinate elements. The unit is provided guidance on the rules of engagement (ROE) and rules of interaction (ROI). Coalition forces and noncombatants may be present in the operational environment. Some iterations of this task are conducted during limited

visibility conditions. Some iterations of this task are performed in MOPP 4.

STANDARD: The platoon launches from amphibious shipping, crosses the LD, moves through the boat lane and touches down within 50 meters of center beach in proper formation. The unit accomplishes ship-to-shore movement under the guidance of the Primary Control Ship's Combat Information Center and in accordance with the established timeline and standing operating procedures.

EVENT COMPONENTS:

1. Monitor internal communications.
2. AAVs maintain proper formation and interval.
3. AAVs guide on wave commander.
4. AAVs maintain rate of march according to guidance from PCS or Global Positioning System (GPS) in order to achieve touchdown on time.
5. Conduct emergency operations/vehicle recovery, if required.
6. Conduct changes to waterborne formation outside the surf zone, as required.
7. Control the sequence and employment of mine clearance systems from the surf zone through the high water mark and other beach obstacles.
8. Move AAVs into cleared lanes.
9. AA unit leaders report their waves' touchdown.
10. Employ vehicle screening systems.
11. Signal lifting or shifting of supporting fires.
12. Maneuver AAVs into required tactical wave formations per the landing plan after leaving the ship.
13. Monitor communications with Primary Control Ship (PCS) and other AAVs in wave.

RELATED EVENTS:

1833-CMDC-1209 1833-AMPH-2605 1833-AMPH-2604
1833-AMPH-2606

REFERENCES:

1. JCS PUB 3-02 Joint Doctrine for Amphibious Operations
2. JCS PUB 3-02.1 Joint Doctrine for Landing Force Operations
3. LFM 03 Amphibious Embarkation
4. MCO 3500.27 Operational Risk Management (ORM)
5. MCRP 3-31.3A Over the Horizon Surface Operations
6. MCRP 3-31B Amphibious Ships and Landing Craft Data Book
7. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
8. MCWP 3-31.3 Surf Zone Operations
9. MCWP 3-31.5 Ship-to-Shore Movement
10. TM 09674A-10/3B Operator's Manual (With Component List), Assault Amphibious Vehicle, 7A1 Family of Vehicles and RAM/RS

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC Quantity

L311 Signal, Illumination Ground Red Star 1 per crew
L312 Signal, Illumination Ground White St 1 per crew

RANGE/TRAINING AREA: Facility Code 17411 Maneuver/Training Area,
Amphibious Forces

AAV-AMPH-5603: Support Amphibious Raid

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To make a swift incursion into or temporary occupation of an objective followed by a planned withdrawal.

EVENT COMPONENTS:

1. Conduct ship to objective maneuver
2. Maneuver security element into designated positions
3. Maneuver support element to over-watch position
4. Maneuver assault element to designated assault position
5. Execute planned withdrawal
6. Task organize for the raid

PREREQUISITE EVENTS:

1833-CMDC-1204	1833-VOPS-1302	1833-AMPH-1601
1833-VOPS-2302	1833-CMDC-2203	1833-CMDC-2208
1833-AMPH-1603		

CHAINED EVENTS:

1833-AMPH-1602	AAV-GNRY-5101	AAV-CSS-5503
AAV-AMPH-5601	AAV-AMPH-5602	

RELATED EVENTS:

1833-CMDC-2207	1833-CMDC-2202	1833-CMDC-2201
1833-CMDC-1203	1833-CMDC-1202	1833-VOPS-1308
1833-GNRY-1110	1833-GNRY-2108	1833-GNRY-2107
1833-GNRY-1111	1833-VOPS-1310	1833-CMDC-1201

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC Quantity

L311 Signal, Illumination Ground Red Star 2 per crew
L312 Signal, Illumination Ground White St 2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces
Facility Code 17420 Maneuver/Training Area, Heavy Forces

EQUIPMENT: Amphibious shipping required to accomplish this task.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Ensure personnel accountability prior to withdrawal.

AAV-AMPH-5606: Support Non-combatant Evacuation Operations

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given higher headquarters operation order and commander's guidance.

STANDARD: To evacuate identified personnel to amphibious shipping or other safe haven.

EVENT COMPONENTS:

1. Task organize
2. Draw and issue specialized equipment
3. Conduct security operations
4. Conduct retrograde
5. Conduct ship-to-objective/evacuation site movement
6. React to public disturbance, enemy action, or reports of evacuees at other locations

PREREQUISITE EVENTS:

1833-VOPS-1302 1833-AMPH-2601

CHAINED EVENTS:

AAV-CSS-5503 AAV-AMPH-5603

RELATED EVENTS:

1833-CMDC-2208	1833-CMDC-2207	1833-CMDC-2202
1833-CMDC-2201	1833-CMDC-1203	1833-CMDC-1202
1833-AMPH-1603	AAV-GNRY-5101	1833-GNRY-2108
1833-GNRY-2107	1833-GNRY-1111	1833-GNRY-1110
AAV-AMPH-5601	1833-CMDC-1201	

REFERENCES:

1. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
2. MCWP 3-31.3 Surf Zone Operations
3. MCWP 3-31.5 Ship-to-Shore Movement

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC Quantity

L311 Signal, Illumination Ground Red Star 2 per crew
L312 Signal, Illumination Ground White St 2 per crew

RANGE/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area, Amphibious Forces
Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Amphibious shipping required to accomplish this task.

UNITS/PERSONNEL: 1. Role players (Evacuees). 2. Opposing forces

AAV-CSS-5503: Support Casualty Evacuation Operations

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: This task is designed to train the platoon in using the AAV as an ambulance equipped with the litter kit.

CONDITION: Given injured personnel.

STANDARD: To move a casualty from the battle-space or sight of injury to a facility that can provide the necessary treatment capability.

EVENT COMPONENTS:

1. Local unit provides security at CCP
2. Maneuver to CCP
3. Corpsman stabilizes and prioritize casualty
4. Transfer to next higher collection points, MedEvac Landing Zone, or amphibious shipping

RELATED EVENTS:

1833-CMDC-2207	1833-CMDC-2201	1833-VOPS-1313
1833-CMDC-1202	1833-CMDC-1201	1833-CMDC-1203

REFERENCES:

1. MCRP 3-02G First Aid
2. MCRP 4-11.1G Patient Movement
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
4. TM 09674A-10/3C Operator's Manual, Assault Amphibious Vehicle 7A1 Family of Vehicles (With Special Mission Kits)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17420 Maneuver/Training Area, Heavy Forces

AAV-TAC-5701: Support a Mechanized Attack

SUPPORTED MET(S): 4

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

CONDITION: Given infantry unit, mission and commander's intent.

STANDARD: To seize the enemy occupied position.

EVENT COMPONENTS:

1. Dismount/employ infantry to support/protect vehicles when required by situation and terrain
2. Employ mechanized battle drills as required
3. Conduct planning, inspections, rehearsals and preparations
4. Determine load/bump plan
5. Develop means of communication between dismounted unit and supporting mechanized assets
6. Perform danger area crossing
7. Conduct passage of lines
8. Conduct dismount, link-up and remount procedures
9. Assist in development of scheme of maneuver to deliver infantry to the pre-determined dismount points, and support their assault by fires
10. Apply movement techniques and formations depending upon enemy situation and terrain
11. Conduct planning, inspections, rehearsals and preparations
12. Determine load/bump plan
13. Assist in development of scheme of maneuver to deliver infantry to the pre-determined dismount points and support their assault by fires
14. Develop means of communication between dismounted unit and supporting mechanized assets
15. Conduct passage of lines
16. Apply movement techniques and formations depending upon enemy situation and terrain
17. Perform danger area crossing

CHAINED EVENTS: AAV-GNRY-5101

RELATED EVENTS:

AAV-CSS-5503	1833-CMDC-2208	1833-CMDC-2207
1833-CMDC-2205	1833-CMDC-2202	1833-CMDC-2201
1833-VOPS-1310	1833-CMDC-1201	1833-CMDC-1203
1833-GNRY-1111	1833-GNRY-2108	1833-GNRY-1110
1833-GNRY-2107	1833-CMDC-1202	

REFERENCES:

1. FM 3-20.95 Cavalry Operations
2. FMFM 6-4 Marine Rifle Company/Platoon
3. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17722 Tank/Fighting Vehicle Multipurpose Range Complex,

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Mechanized attacks can include the following Special Purpose Attacks: Raid, Spoiling, Feint, Counter-attack and demonstration. 2. Platoon can assume any of the following roles: assault force or support force.

AAV-TAC-5716: Support Infantry Defensive Operations

SUPPORTED MET(S): 1, 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: The Assault Amphibian platoon is conducting tactical operations as part of a company team and receives an OPORD/FRAGO directing it to defend an area of operations (AO). Enemy contact is not expected prior to the "defend NLT" time specified in the OPORD or FRAGO. The order includes all applicable overlays and graphics. Indirect fires, engineer, intelligence, and air defense (AD) assets are available upon request. All necessary unit personnel and equipment are available. The unit establishes communications with subordinate, adjacent, and higher headquarters, and is passing information in accordance with the standing operating procedure (SOP). The unit is provided guidance on the rules of engagement (ROE) and rules of interaction (ROI). Coalition forces and noncombatants may be present in the operational environment. Some iterations of this task are performed in limited visibility. Some iterations of this task are performed in MOPP 4.

STANDARD: The platoon defends in accordance with SOP, the order, and higher commander's guidance and intent. The unit reconnoiters, occupies and defends from mutually supporting positions before the defense "not later than (NLT)" time specified in the order. The unit adjusts positions as necessary to cover target reference points (TRPs), engagement areas (EAs), and sectors of fire. The unit complies with the ROE and ROI.

EVENT COMPONENTS:

1. Employ obstacles (natural and manmade) to disrupt, delay, block, or canalize enemy movement in coordination with fire support to destroy his reconnaissance elements and defeat his main attack.
2. Establish vehicle fighting positions to include fire sketch. At a minimum establish Target Reference Points (TRPs) by vehicle, element, and unit when conducting the hasty defense of a battle position.
3. Employ vehicle weapons to engage enemy troops and vehicles in accordance with engagement criteria established in the OPORD/FRAGO.
4. Displace to alternate, supplementary, and subsequent positions in accordance with disengagement criteria established in the OPORD/FRAGO.
5. Conduct local counterattacks.
6. Conduct combat reporting.
7. Conduct consolidation and reorganization.
8. Conduct resupply, recovery, and evacuation operations.

PREREQUISITE EVENTS: AAV-TAC-5717

RELATED EVENTS:

1833-TAC-2703 1833-TAC-2704 1833-CBTS-2411

1833-CMDC-2202 1833-CMDC-1209 1833-CMDC-2217

REFERENCES:

1. MCO 3500.27 Operational Risk Management (ORM)
 2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
 3. TM 09674A-10/3B Operator's Manual (With Component List), Assault Amphibious Vehicle, 7A1 Family of Vehicles and RAM/RS
-

AAV-TAC-5721: Support Infantry Offensive Operations

SUPPORTED MET(S): 1, 2, 5, 8

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: The Assault Amphibian platoon is conducting tactical operations as part of a company/team and receives an OPORD/FRAGO to support a hasty attack, deliberate attack, attack of a strongpoint, reconnaissance in force, feint, demonstration, mechanized raid, or counterattack. Some iterations of this task are performed in limited visibility. Some iterations of this task are performed in MOPP 4.

STANDARD: The platoon supports the infantry with fire and maneuver which results in the destruction, capture, or withdrawal of enemy forces. The platoon sustains no personnel or equipment losses due to friendly fire. The platoon maintains situational awareness by monitoring communications. Time required to plan and implement is increased when operating in MOPP 4.

EVENT COMPONENTS:

1. Acknowledge receipt of the higher headquarters warning order and initiate planning.
2. Issue warning order to subordinate units.
3. Develop and issue the unit operations order.
4. Establish liaison with higher, adjacent, and supporting units, as appropriate request direct liaison, when appropriate.
5. Conduct rehearsals as time permits and coordinate rehearsals with supported unit.
6. Conduct leader's reconnaissance as time permits.
7. Coordinate passage of lines, if required.
8. Conduct forward passage of lines with unit in contact with enemy force.
9. Conduct movement to and conduct attack position activities.
10. Cross line of departure.
11. Conduct movement to and conduct dismount point activities.
12. Initiate preparatory fires if included in the operations order.
13. Provide support by fire.
14. Conduct other mission as assigned by the operations order.
15. Conduct breach of enemy obstacle belt, as necessary.
16. Assault enemy objectives.
17. Prepare for enemy counterattack.
18. Prepare for follow on mission.
19. Conduct combat reporting as required.
20. Conduct preparation for combat, to include pre-combat checks and pre-combat inspections.

21. Embark dismounted supported unit, if applicable.
22. Conduct consolidation and reorganization on the objective.

PREREQUISITE EVENTS: AAV-TAC-5722

RELATED EVENTS:

1833-TAC-2701	1833-CMDC-1209	1803-CMDC-1221
1803-CMDC-1218	1833-CMDC-2217	1833-CMDC-2202

REFERENCES:

1. MCO 3500.27 Operational Risk Management (ORM)
 2. MCWP 3-13 Employment of Amphibious Assault Vehicles (AAVs)
 3. NAVMC DIR 3500.87 Infantry Training & Readiness Manual
-

ENGR-CMOB-5701: Create obstacle groups

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Obstacles can be explosive or non-explosive in nature.

CONDITION: Given mission, commander's intent, location of adjacent friendly forces, estimated locations and most recent activities of enemy, weather conditions, defined area of operations, routes, rules of engagement, supporting arms, an equipment density list and available personnel.

STANDARD: To turn, block, fix, or disrupt the enemy and supports the commanders intent.

EVENT COMPONENTS:

1. Develop/review obstacle plan.
2. Analyze engagement areas, battle positions, and weapons location.
3. Determine possible obstacle locations and types.
4. Identify the commander's obstacle priorities.
5. Determine resources.
6. Determine actual work sequence.
7. Determine task organization required.
8. Determine coordination required.
9. Coordinate with supported unit for specific obstacle placement and observation.
10. Coordinate observation and reporting for decision/triggering point(s) for reserve/situational obstacles as required.
11. Emplace explosive obstacle(s).
12. Create non-explosive obstacle(s).
13. Close lanes as required.
14. Submit required reports.
15. Submit required reports.

REFERENCES:

1. FM 20-32 Mine/Countermining Operations
2. FM 3-06 Urban Operations

3. FM 5-100 Engineers in Combat Operations
4. FM 5-102 Countermobility
5. FM 5-103 Survivability
6. FM 5-170 Engineer Reconnaissance
7. FM 5-34 Engineer Field Data - Field Expedient Charges
8. FM 90-1 Countermobility
9. FM 90-7 Combined Arms Obstacle Integration
10. JP 3-15 Joint Doctrine for Barriers, Obstacles, and Mine Warfare
11. JP 3-34 Engineer Doctrine for Joint Operations
12. MCRP 3-17A Engineer Field Data
13. MCWP 3-17 Engineer Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: Engineer Material Handling equipment, Combat Engineer equipment

UNITS/PERSONNEL: Range Safety Officer, Corpsman

ENGR-DEMO-5402: Conduct demolition operations

SUPPORTED MET(S): 2, 3, 4

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

CONDITION: Given a tactical situation, an order, task organized equipment and personnel, specifications, demolition materials, and appropriate references.

STANDARD: To achieve desired effects in accordance with commander's intent.

EVENT COMPONENTS:

1. Employ demolitions in support of countermobility operations.
2. Submit required reports.
3. Employ demolitions in support of horizontal construction as required.
4. Coordinate demolition operations.
5. Plan demolition operations.
6. Conduct engineer reconnaissance.
7. Destroy captured arms and ammunition as required.
8. Employ demolitions in support of mobility operations as required.
9. Employ demolitions in support of expeditionary operations as required.
10. Employ demolitions in support of survivability position construction.

REFERENCES:

1. FM 3-34.119 Improvised Explosive Device (IED) Defeat
2. FM 3-34.210 Explosive Hazard Operations
3. FM 3-34.214 Explosives and Demolitions

SUPPORT REQUIREMENTS:

EQUIPMENT: Combat engineer demolitions kit

UNITS/PERSONNEL: Range Safety Officer, Corpsman

ENGR-INF-5401: Fight as Provisional Infantry

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Offensive operations including attacks, raids, movement to contact, etc. Defensive operations (including withdrawal), patrolling (including check point ops), mobility (including screening, convoy ops), and employment of organic weapons. Operations other than war (civil disturbance, TRAP, cordon and search), MOUT (attack, defend, patrol, clear a building, vehicle check point). Participate in amphibious assault and raid operations.

CONDITION: Given a requirement, commander's intent and references.

STANDARD: To augment supported unit or conduct offensive and defensive operations to support mission requirements.

EVENT COMPONENTS:

1. Conduct planning.
2. Task organize.
3. Issue orders.
4. Conduct inspections, rehearsals, and preparations.
5. Elements employ appropriate formations and tactics.
6. Conduct final preparations.
7. Use, coordinate, and observe fires.
8. Employ supporting arms as required.
9. Establish redundant communications.
10. Treat and evacuate casualties as required.
11. Process detainees as required.
12. Send and receive required reports.

REFERENCES:

1. MCDP 1 Warfighting
2. MCDP 1-3 Tactics
3. MCRP 2-3A Intelligence Preparation of the Battlefield/Battlespace
4. MCRP 3-02G First Aid
5. MCWP 3-11.2 Marine Rifle Squad

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17730 Fire and Movement Range

ENGR-MOBL-5401: Construct expedient HLZ

SUPPORTED MET(S): 2, 4, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: Conduct construction of expedient HLZ; includes but is not limited to clearing and grubbing geographical locations for takeoff and landing of rotary wing in support of troop transport, resupply, MedEvac operations, etc.

CONDITION: Given a mission, commander's intent, available resources, and references.

STANDARD: To create a landing site that will support rotary wing aircraft for the loading and unloading of personnel, resupply, and equipment in accordance with commander's intent, concept of operations and supported unit requirements.

EVENT COMPONENTS:

1. Task organize
2. Conduct engineer reconnaissance and survey.
3. Coordinate resource requirements.
4. Issue the order.
5. Clear landing site.
6. Maintain and improve landing site as required.
7. Submit required reports.

REFERENCES:

1. FM 5-101 Mobility
2. FM 5-170 Engineer Reconnaissance
3. FM 5-412 Project Management
4. FM 5-430-00-1, Volume 1 Planning and Design of Roads, Airbases, and Heliports in the Theater of Operations
5. FM 5-430-00-2 Planning and design of roads, airfields, and heliports in the theater of operations--Airfield and Heliport design
6. MCWP 3-17 Engineer Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17918 Road/Airfield Construction Training Site

EQUIPMENT: Engineer Earthmoving equipment, Engineer Material Handling equipment

ENGR-MOBL-5501: Construct tactical landing zones

SUPPORTED MET(S): 1, 2, 4, 5, 7

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Conduct construction of tactical landing zones; includes but is not limited to site selection, construction, repair, and maintenance of existing or expeditionary airfields, landing zones, and other facilities for

takeoff and landing of fixed and rotary wing aircraft in support of MAGTF operations.

CONDITION: Given a mission, commander's intent, available resources, and references.

STANDARD: To create, repair, and maintain tactical landing zones that meet or exceed landing zone requirements listed in the design specifications per the size, type, and number of aircraft.

EVENT COMPONENTS:

1. Task organize.
2. Conduct engineer reconnaissance and survey.
3. Estimate engineer equipment requirements.
4. Coordinate necessary support.
5. Issue the order.
6. Construct/repair airfield, landing zone, or other facilities as required.
7. Maintain and improve airfield, landing zone, or other facilities as required.
8. Submit required reports.
9. Finalize construction plan.

REFERENCES:

1. FM 5-100 Engineers in Combat Operations
2. FM 5-101 Mobility
3. FM 5-170 Engineer Reconnaissance
4. FM 5-250 Explosives and Demolitions
5. FM 5-34 Engineer Field Data - Field Expedient Charges
6. FM 5-36 Route Reconnaissance and Classification
7. FM 5-430-00-2 Planning and design of roads, airfields, and heliports in the theater of operations--Airfield and Heliport design
8. FMFM 13 MAGTF Engineer Operations
9. FMFM 4-4 Engineer Operations
10. MCRP 3-17A Engineer Field Data
11. MCRP 3-17B Engineer Forms and Reports
12. MCRP 4-11.3E Multi-service Helicopter Sling Load: Vols I, II and III
13. MCWP 3-17 Engineer Operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17918 Road/Airfield Construction Training Site

EQUIPMENT: Engineer Earthmoving equipment, Material Handling equipment, Utilities equipment

ENGR-MOBL-5702: Conduct breach lane improvement operations

SUPPORTED MET(S): 2, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: As the breach force progresses, it creates two lanes in the tactical obstacles. The breach force marks lanes with the initial lane-marking pattern and passes the assault force through the lanes. At this stage of the breaching operation, the TF maintains lanes in the tactical obstacles and controls all movement of forces within the breach area.

CONDITION: Given a mission, commanders intent, a map, a breached lane marked to initial standard, tasked organized personnel, equipment, and references.

STANDARD: To improve breach lanes through enemy obstacles to support two-way traffic, the commander's intent and concept of operations.

EVENT COMPONENTS:

1. Determine breach lane improvement requirements.
2. Coordinate receipt of breached lanes.
3. Improve breach lanes for trafficability as required.
4. Mark lanes as required.
5. Turnover lane(s) to designated forces.
6. Analyze breach lane reporting.
7. Task organize support breach teams.
8. Coordinate security for breach lanes as required.
9. Widen lanes as required.
10. Submit required reports.
11. Reconstitute the support breach team.

REFERENCES:

1. FM 3-34.119 Improvised Explosive Device (IED) Defeat
2. FM 5-101 Mobility
3. FM 5-170 Engineer Reconnaissance
4. FM 5-34 Engineer Field Data - Field Expedient Charges
5. FM 90-13-1 Combined Arms Breaching Operations
6. FMFM 13 MAGTF Engineer Operations
7. FMFM 4-4 Engineer Operations
8. MCWP 3-17.3 MAGTF Breaching Operations
9. MCWP 4-11 Combat Service Support

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17420 Maneuver/Training Area, Heavy Forces

EQUIPMENT: Engineer Earthmoving equipment, Combat Engineer Breaching equipment

ENGR-MOBL-5709: Construct combat roads

SUPPORTED MET(S): 2, 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: To create hasty expedient roads and trails.

CONDITION: Provided a mission order, commander's intent, a tactical situation, task organization of engineer equipment and personnel.

STANDARD: To create/repair/maintain expeditionary military roads (unimproved surface, Class C or D) that meets or exceeds the traffic support requirements in accordance with the commanders intent and the mobility plan.

EVENT COMPONENTS:

1. Conduct dust abatement as required.
2. Submit required reports.
3. Review mission directives to determine class of road.
4. Determine geometric criteria.
5. Determine structural criteria.
6. Determine construction criteria.
7. Conduct engineer reconnaissance and survey.
8. Task organize.
9. Coordinate with supporting units.
10. Issue order.
11. Conduct site preparations as required.
12. Conduct rough grading as required.
13. Cut and fill as required.
14. Conduct soil stabilization as required.
15. Shape road.
16. Construct drainage structures as required.
17. Surface road as required.

REFERENCES:

1. FM 5-101 Mobility
2. FM 5-101-5-1 Operational Terrain and Symbols
3. FM 5-170 Engineer Reconnaissance
4. FM 5-250 Explosives and Demolitions
5. FM 5-335 Drainage
6. FM 5-34 Engineer Field Data - Field Expedient Charges
7. FM 5-412 Project Management
8. FM 5-430-00-1, Volume 1 Planning and Design of Roads, Airbases, and Heliports in the Theater of Operations
9. FM 5-430-00-2 Planning and design of roads, airfields, and heliports in the theater of operations--Airfield and Heliport design
10. FM 5-434 Earthmoving Operations
11. GTA 5-2-5 Engineer Reconnaissance
12. MCWP 3-17 Engineer Operations
13. MCWP 4-11 Combat Service Support

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17413 Field Training Area
Facility Code 17918 Road/Airfield Construction Training Site

EQUIPMENT: Engineer earthmoving equipment, Combat engineer equipment

ENGR-MOBL-5801: Conduct obstacle breaching operations

SUPPORTED MET(S): 2, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Breaching operations are conducted to allow maneuver despite the presence of obstacles. Obstacle breaching is the employment of a combination of tactics and techniques to advance an attacking force to the far side of an obstacle that is covered by fire.

CONDITION: Given a mission, commander's intent, a map, designated area, tasked organized personnel, equipment, and references.

STANDARD: To breach lanes through enemy obstacles to support the commander's intent and concept of operations.

EVENT COMPONENTS:

1. Analyze obstacle intelligence.
2. Gather obstacle intelligence as required.
3. Determine breach requirement.
4. Task organize obstacle clearing detachment(s) (OCD).
5. Coordinate suppression of enemy over-watching obstacle.
6. Coordinate obscuration of enemy over-watching obstacle.
7. Coordinate security for breach lanes.
8. Coordinate breach with assault force, support force, and support breach team(s).
9. Verify suppression/obscuration effects.
10. Breach lanes through obstacle(s).
11. Submit required reports.
12. Turnover lane(s) to designated forces.
13. Reconstitute the breach force.

REFERENCES:

1. FM 3-34.119 Improvised Explosive Device (IED) Defeat
2. FM 3-34.210 Explosive Hazard Operations
3. FM 3-34.214 Explosives and Demolitions
4. FM 5-100 Engineers in Combat Operations
5. FM 5-101 Mobility
6. FM 5-34 Engineer Field Data - Field Expedient Charges
7. FM 90-13-1 Combined Arms Breaching Operations
8. MCRP 3-17A Engineer Field Data
9. MCRP 3-17B Engineer Forms and Reports
10. MCWP 3-17 Engineer Operations
11. MCWP 3-17.3 Breaching Operations
12. MCWP 3-17.3 MAGTF Breaching Operations

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC Quantity

J143 Rocket Motor, 5-inch MK22 Mod 4
M913 Charge, Demolition High Explosive Li
M914 Charge, Demolition Inert Linear M68A

RANGE/TRAINING AREA:

Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17931 Medium/Heavy Equipment Training Area
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17413 Field Training Area

EQUIPMENT: Combat Engineer Breaching equipment, Engineer Earthmoving equipment, Engineer Material Handling equipment

UNITS/PERSONNEL: Range Safety officer, Corpsman

ENGR-REC-5401: Conduct engineer reconnaissance

SUPPORTED MET(S): 2, 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: To conduct a directed effort to obtain detailed engineer information within/along designated routes, zones, and/or areas.

CONDITION: Given a mission, commander's intent, task organization of personnel and equipment, and references.

STANDARD: To gather all relevant engineer data, and produce an engineer estimate (or designated products IAW unit SOPs or guidance) to support the concept of operations and in accordance with commander's intent.

EVENT COMPONENTS:

1. Review reconnaissance plan.
 2. Analyze support requirements and location(s).
 3. Conduct final coordination with supporting units (logistics, etc).
 4. Conduct zone reconnaissance as required.
 5. Conduct area reconnaissance as required.
 6. Conduct route reconnaissance as required.
 7. Submit required reports.
 8. Conduct final coordination with supported unit (location, requirements, security, ground guides, etc.).
-

ENGR-REC-5901: Conduct cache sweep operations

SUPPORTED MET(S): 2, 5, 9

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Items in a cache may include (but is not limited to): documents, discs, tapes, weapons, explosives, ammunition, chemical materials, bombs, electronic equipment, etc. Appropriate safety and evidentiary preservation measures should be employed during cache sweeps.

CONDITION: Provided a mission, designated area/building to search for known,

potential, or suspected materials that may be used against friendly forces or be of intelligence value.

STANDARD: in order to detect, identify, and secure materials discovered during the course of the search in accordance with the commanders intent.

EVENT COMPONENTS:

1. Analyze search area intelligence.
2. Tasks organize.
3. Coordinate with supported unit.
4. Coordinate with supporting units.
5. Detect cache within search area.
6. Identify items within cache(s).
7. Mark cache(s) as required.
8. Reduce captured enemy ammunition as required.
9. Verify cache reduction.
10. Coordinate explosive ordnance disposal activities as required.
11. Coordinate weapons intelligence team activities as required.
12. Coordinate with other specialist personnel as required.
13. Submit required reports.

REFERENCES:

1. FM 3-34.119 Improvised Explosive Device (IED) Defeat
2. FM 3-34.210 Explosive Hazard Operations
3. FM 3-34.214 Explosives and Demolitions
4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
5. MCRP 3-17A Engineer Field Data
6. MCWP 3-17 Engineer Operations
7. MCWP 3-17.4 Engineer Reconnaissance

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC Quantity

M023 Charge, Demolition Block M112 1-1/4
M130 Cap, Blasting Electric M6
M131 Cap, Blasting Non-Electric M7
M456 Cord, Detonating PETN Type I Class E
M670 Fuse, Blasting Time M700
MN08 Igniter, Time Blasting Fuse with Sho

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Combat engineer tools and kits

UNITS/PERSONNEL: Explosive ordnance disposal personnel, Weapons intelligence team, Corpsman

ENGR-SURV-5401: Construct survivability positions

SUPPORTED MET(S): 3, 8

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: To construct positions designed to reduce the vulnerability of personnel, equipment, weapons, and supplies to enemy fire and as a means to enhance force protection. Positions may include fighting and protective positions.

CONDITION: Provided a mission, commander's intent, reconnaissance reports, survivability plan, a task organization of personnel and equipment, and references.

STANDARD: That meets the mission requirements and supports the concept of operations in accordance with the commander's intent.

EVENT COMPONENTS:

1. Conduct engineer reconnaissance and survey.
2. Coordinate with supported unit for specific position placement and requirements.
3. Harden existing structure(s) as required.
4. Emplace pre-fabricated barriers as required.
5. Construct field fortification as required.
6. Construct Vehicle Control Point (VCP) as required.
7. Construct Entry Control Point (ECP) as required.
8. Construct earth filled barrier/structure as required.
9. Construct individual fighting positions as required.
10. Construct vehicle fighting positions as required.
11. Construct vehicle survivability positions as required.
12. Construct revetment as required.
13. Construct crew-serve weapon positions as required.
14. Construct shelter/bunker as required.
15. Conduct earth moving operations as required.
16. Construct triggering screen as required.
17. Construct trench as required.
18. Wire position for electricity as required.
19. Submit required reports.
20. Plan survivability construction.
21. Analyze engagement areas, battle positions, and weapons location.
22. Coordinate resources for project.
23. Conduct site preparation.
24. Construct overhead cover as required.
25. Construct berms as required.

REFERENCES:

1. FM 21-75 Combat Skills of the Soldier
2. FM 3-06 Urban Operations
3. FM 3-07 Stability Operations (2008)
4. FM 5-100 Engineers in Combat Operations
5. FM 5-102 Countermobility
6. FM 5-103 Survivability
7. FM 5-170 Engineer Reconnaissance
8. FM 5-250 Explosives and Demolitions
9. FM 5-34 Engineering Field Data
10. FM 5-426 Carpentry
11. FM 90-3 Desert Operations

12. FM 90-5 Jungle Operations
13. FMFM 13 MAGTF Engineer Operations
14. FMFRP 12-51 Engineer Operations
15. JP 3-34 Engineer Doctrine for Joint Operations
16. MCRP 3-17A Engineer Field Data
17. MCWP 3-17 Engineer Operations
18. MCWP 3-41.1 Rear Area Operations
19. MCWP 4-11 Combat Service Support

SUPPORT REQUIREMENTS:

EQUIPMENT: Combat Engineer equipment, Engineer Earthmoving equipment, Material Handling equipment, Utilities equipment

MATERIAL: MAP, COMPASS, PROTRACTOR, OVERLAY SHEETS, RECONNAISSANCE REPORTS

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: ORM

ENGR-SURV-5402: Harden existing structure

SUPPORTED MET(S): 3, 9

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: To harden positions in order to reduce the vulnerability of personnel, equipment, weapons, and supplies to enemy fire and as a means to enhance force protection.

CONDITION: Provided a mission, in an urban environment, commander's intent, reconnaissance reports, and survivability plan, a task organization of personnel and equipment, and references.

STANDARD: To harden an existing structure that meets the mission requirements and supports the concept of operations in accordance with the commander's intent.

EVENT COMPONENTS:

1. Plan structure hardening.
2. Conduct engineer reconnaissance and survey.
3. Analyze reconnaissance reports.
4. Coordinate with supported unit for specific position requirements.
5. Coordinate resources for project.
6. Conduct site preparation.
7. Construct perimeter security as required.
8. Shore walls/ floors/roofs as required.
9. Remove/reinforce windows as required.
10. Compartmentalize interior of structure as required.
11. Emplace prefabricated barriers as required.
12. Construct earth filled barrier/structure as required.
13. Conduct earthmoving operations as required.

14. Construct overhead cover as required.
15. Construct shelter/bunker as required.
16. Construct triggering screen as required.
17. Wire position for electricity as required.
18. Submit required reports.

REFERENCES:

1. FM 21-75 Combat Skills of the Soldier
2. FM 3-06 Urban Operations
3. FM 3-07 Stability Operations (2008)
4. FM 5-100 Engineers in Combat Operations
5. FM 5-102 Countermobility
6. FM 5-103 Survivability
7. MCRP 3-17A Engineer Field Data
8. MCWP 3-17.4 Engineer Reconnaissance

SUPPORT REQUIREMENTS:

EQUIPMENT: Engineer earthmoving equipment, Combat engineer tools & kits, Utilities equipment

ENGR-SURV-5403: Construct field fortifications

SUPPORTED MET(S): 3, 9

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: To build field fortifications that reduce the vulnerability of personnel, equipment, weapons, and supplies to enemy fire, increase effectiveness of friendly weapons, and as a means to enhance force protection.

CONDITION: Provided a mission, commanders intent, reconnaissance reports, a task organization of personnel and equipment, and references.

STANDARD: That meets the mission requirements and supports the concept of operations in accordance with the commander's intent.

EVENT COMPONENTS:

1. Plan survivability construction.
2. Analyze engagement areas, battle positions, and weapons location.
3. Conduct engineer reconnaissance and survey.
4. Submit required reports.
5. Coordinate with supported unit for specific position placement and requirements.
6. Construct obstacles as required.
7. Conduct earthmoving operations as required.
8. Construct survivability positions as required.
9. Conduct vertical construction as required.

REFERENCES:

1. FM 21-75 Combat Skills of the Soldier

2. FM 3-06 Urban Operations
3. FM 3-07 Stability Operations (2008)
4. FM 5-101 Mobility
5. FM 5-102 Countermobility
6. FM 5-103 Survivability
7. MCRP 3-17A Engineer Field Data
8. MCWP 3-17.4 Engineer Reconnaissance

SUPPORT REQUIREMENTS:

EQUIPMENT: Engineer Earthmoving equipment, Combat engineer tools & kits

ENGR-XENG-5401: Provide engineer equipment support

SUPPORTED MET(S): 1, 2, 3, 4, 5, 6, 7, 8, 9

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: To support the mission utilizing the required type(s) of Engineer equipment and personnel

CONDITION: Given a mission, a support plan, equipment availability, commander's intent, personnel and equipment, an area of operations or support, and references.

STANDARD: To provide support and IAW unit SOPs or guidance to support the concept of operations and in accordance with commander's intent.

EVENT COMPONENTS:

1. Coordinate with supporting units (logistics, etc).
2. Manage engineer equipment operations.
3. Conduct earthmoving operations as required.
4. Conduct material handling operations as required.
5. Conduct horizontal construction as required.
6. Conduct maintenance as required.
7. Recover engineer equipment as required.
8. Submit required reports.
9. Determine task organization required.
10. Coordinate with supported unit (location, requirements, security, ground guides, etc.).
11. Review equipment support plan.
12. Analyze support requirements and location(s).
13. Determine resources.
14. Determine schedule of work.

REFERENCES:

1. FM 100-10 Combat Service Support
2. FM 5-412 Project Management
3. FM 5-430-00-1, Volume 1 Planning and Design of Roads, Airbases, and Heliports in the Theater of Operations
4. FM 5-430-00-2 Planning and design of roads, airfields, and heliports in

the theater of operations--Airfield and Heliport design
5. FM 5-434 Earthmoving Operations
6. JP 3-34 Engineer Doctrine for Joint Operations
7. MCRP 3-17A Engineer Field Data
8. MCRP 3-17B Engineer Forms and Reports
9. Appropriate Equipment Manual

SUPPORT REQUIREMENTS:

EQUIPMENT: Engineer equipment, Motor Transport equipment, Utilities equipment

UNITS/PERSONNEL: Engineer equipment maintainers, Utilities equipment maintainers

ENGR-XENG-5402: Prepare Site for Construction

SUPPORTED MET(S): 2, 4, 5, 9

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This task includes all types of vertical and horizontal construction- the mission will guide actual event components during execution.

CONDITION: Given a mission, a support plan, a site for construction or engineer operations, commander's intent, task organized personnel and equipment, and references.

STANDARD: To prepare a site for construction IAW unit capabilities, SOPs or guidance to support the concept of operations and in accordance with commander's intent.

EVENT COMPONENTS:

1. Conduct demolition operations as required.
2. Conduct material handling operations as required.
3. Conduct vertical construction operations as required.
4. Submit required reports.
5. Review construction site plan.
6. Conduct final coordination with supported unit (location, requirements, security, ground guides, etc.).
7. Conduct final coordination with supporting units (logistics, etc).
8. Conduct earthmoving operations as required.
9. Analyze support requirements and location(s).
10. Move to site.
11. Provide utilities support as required.

REFERENCES:

1. FM 3-34.471 Plumbing, Pipefitting, and Sewerage
2. FM 5-33 Terrain Analysis
3. FM 5-335 Drainage
4. FM 5-412 Project Management

5. FM 5-434 Earthmoving Operations
6. MCRP 3-17A Engineer Field Data
7. MCRP 3-17B Engineer Forms and Reports
8. MCWP 3-17 Engineer Operations
9. MCWP 3-17.4 Engineer Reconnaissance

SUPPORT REQUIREMENTS:

EQUIPMENT: Engineer Earthmoving equipment, Material Handling equipment, Motor Transportation equipment, Utilities equipment

ENGR-XENG-5501: Conduct Horizontal Construction

SUPPORTED MET(S): 2, 3, 4, 5, 9

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: In order to meet operational requirements of the MAGTF horizontal construction is conducted to shape the terrain for various projects such as but not limited to MSR construction and/or maintenance, expeditionary airfields, site preparation for bed down facilities, and ordnance storage facilities.

CONDITION: Given a mission, commanders intent, tactical situation, a map, task organized equipment and personnel, design specifications, construction materials and references.

STANDARD: To create the assigned project that meets or exceed the requirements listed in the design specifications and the commander's intent.

EVENT COMPONENTS:

1. Construct drainage structures as required.
2. Construct expeditionary airfield as required.
3. Construct non-explosive obstacles as required.
4. Submit required reports.
5. Plan horizontal construction.
6. Conduct engineer reconnaissance and survey.
7. Coordinate horizontal construction.
8. Conduct site preparation.
9. Construct road(s) as required.
10. Construct tactical landing zones as required.
11. Conduct dust abatement as required.
12. Conduct beachhead improvement as required.
13. Construct expedient HLZ as required.

REFERENCES:

1. FM 5-101 Mobility
2. FM 5-101-5-1 Operational Terrain and Symbols
3. FM 5-103 Survivability
4. FM 5-170 Engineer Reconnaissance
5. FM 5-335 Drainage
6. FM 5-34 Engineering Field Data